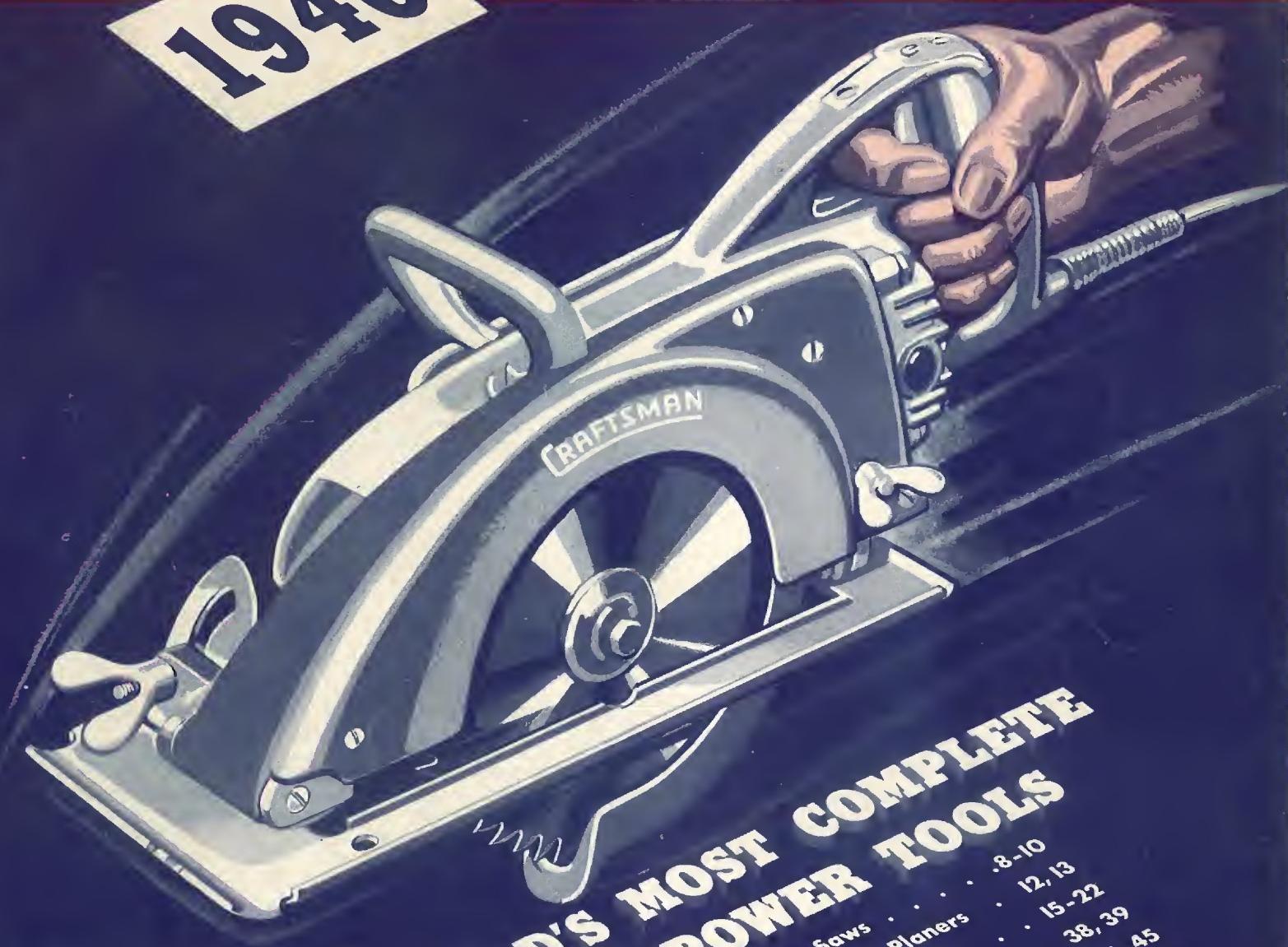


# CRAFTSMAN

REG. U. S. PAT. OFF.

1940

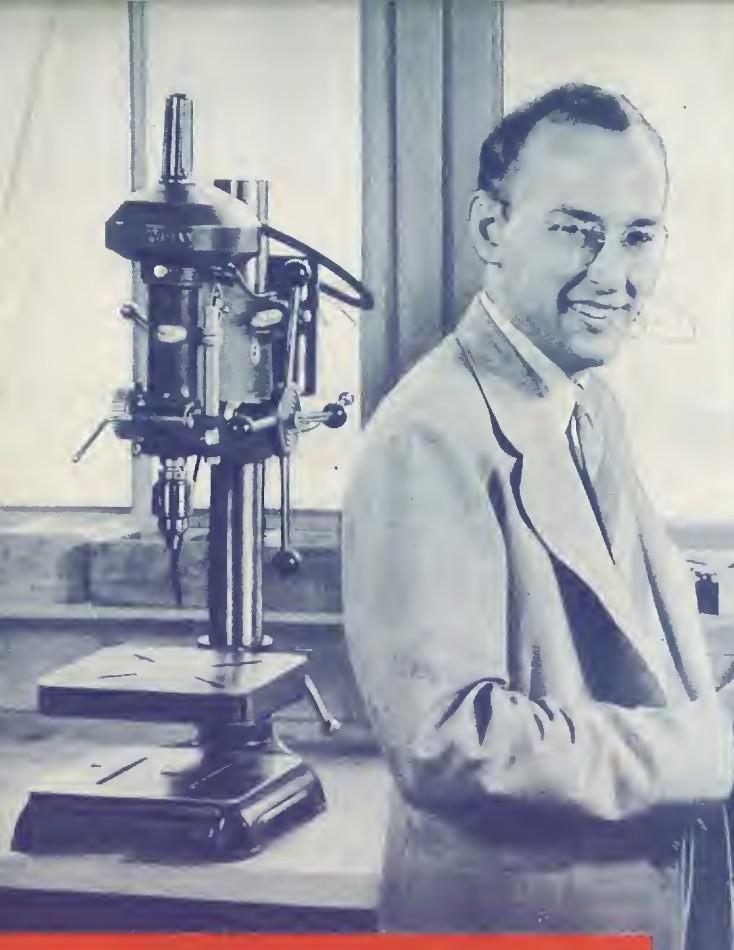


## WORLD'S MOST COMPLETE LINE OF POWER TOOLS

Band Saws	5-7	Jig Saws	.8-10
Carving Machine	8	Jointer-Planers	12, 13
Circular Saws	1-4	Lathes	15-22
Crafty	26, 27	Motors	38, 39
Drill Presses	28, 32	Paint Sprayers	44, 45
Electric Drills	34	Sanders	14
Flexible Shaft	24, 25	Shapers	11
Grinders	36, 37	Welders	23
Hack Saws	22		

SEARS, ROEBUCK AND CO.

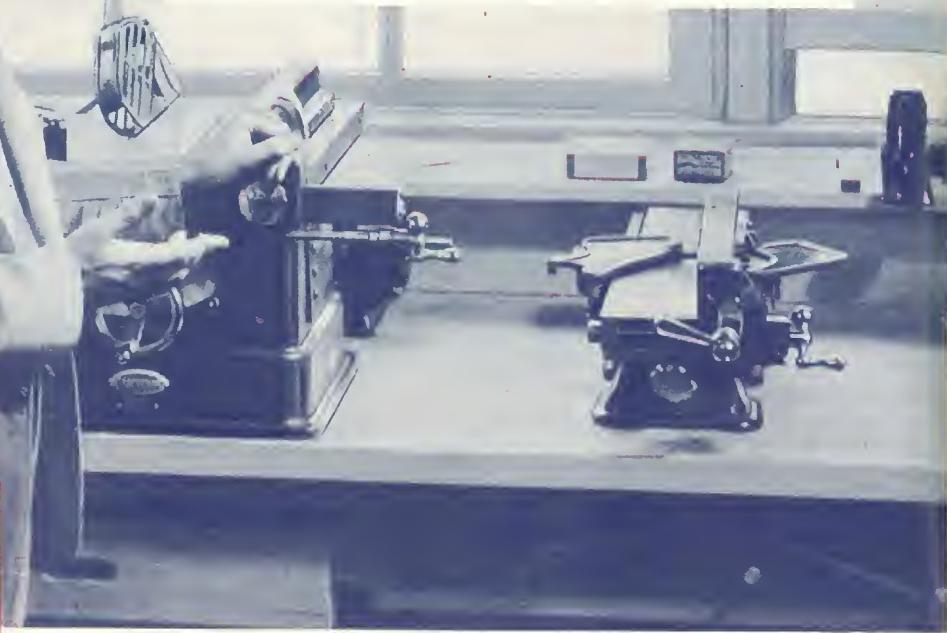
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# "I'VE GOT THE MOST INTERESTING JOB IN AMERICA"

A. E. TAYLOR

Buyer of Power Tools; Sears, Roebuck and Co.



#### Sears Power Tools Sold On Easy Terms

If your order amounts to \$10 or more, you can buy your power tools at Sears on Easy Terms. If you wish to use Easy Terms at one of our retail stores, ask for information about our Easy Payment Plan. For mail orders, refer to your Sears General Catalog for Easy Payment information.

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Should you ever need repair parts for any Sears power tool you can depend on us for speedy service. Repair parts are easy to order because every part is numbered.

#### Important Price Information

Should the Federal Government or any State find it necessary to increase by taxes or otherwise the cost or selling price of any of the merchandise described in this catalog, we reserve the right to add any such taxes or other increases of cost or selling to the prices shown in this catalog.

## 4 EASY WAYS TO SHOP AT SEARS AND SAVE



**1 AT HOME BY MAIL**—Just pick out the tools you want from this catalog, fill out the order blank, and mail it together with your remittance. Sears guarantee satisfaction.



**2 AT HOME BY PHONE**—Pick out the tools you want. Then call the Telephone Order Department at your nearest Sears store. We'll send your order C.O.D.



**3 AT CATALOG ORDER DESK**—There's one in every Sears store. Our clerks will assist you in filling out your order. You save letter postage and money order fees.



**4 IN RETAIL STORES**—All the advantages of retail service! Competent sales people to aid you . . . over-the-counter buying . . . and quick home delivery.

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I all started when I was a kid and my grandfather, a master carpenter, gave me an old hand scroll saw and said I could use his workbench in the basement. From that day on, that workbench was my playground—and my playthings were Gramp's old saw, a dilapidated hammer and a couple of old, rusty chisels. Of course I wanted a lathe—but you know how much a lathe cost in those days! You had to be the next best thing to a millionaire to pay the \$60 or \$75 asked for them!

It wasn't until I went to college that I got acquainted with the "big stuff"—real machine tools. After I got my degree in Engineering, I worked for a time in a machine shop and then demonstrated Power Tools for several years. It was in this way that I learned that industry and home workshop, alike, had a crying need for precision-built, moderate-priced Power Tools.

I guess all of us have at least one "big moment" in our lives. Mine came when Sears, Roebuck and Co. picked me to be their Buyer of Power Tools. If you're a dyed-in-the-wool Power Tool enthusiast, you'll understand what I mean when I say I've got the most interesting job in America!

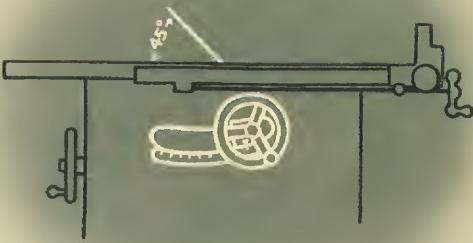
Now that I'm with Sears I can't help but think of the advantages of the American youth of today. For today—at Sears—that \$60 lathe I longed for in my own youth can be yours for as little as \$15! And it's a whale of a lot better lathe, too!

Fine tools have always been my first love. And I feel that I know what you fellows want—for I'm one of you fellows myself. So when you Power Tool users look through this catalog, just remember that there's a guy at Sears who thinks the way you do and knows what you're after . . . and that he's put everything he's got into the development and selection of the finest lot of Power Tools to be found anywhere—at any price!

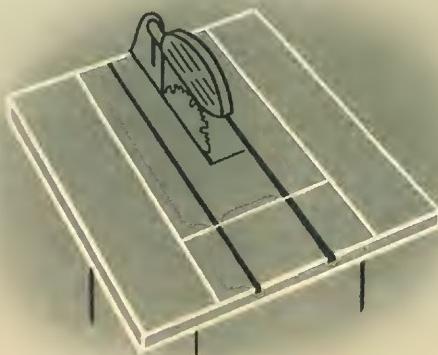
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# INTRODUCING A NEW TILTING BLADE SAW

BY **CRAFTSMAN**  
REG U.S. PAT OFF



Sawing on a tilting blade saw is **ALWAYS** faster—easier—better! Table is never tilted. Work always lies flat, regardless of the angle at which board is being cut.



Extra-large table top! Extensions (which are included) give a working surface of 26x28 in. This assures perfect support for large work.

## SPECIFICATIONS

Over-all Height	42 in.
Over-all Width	35 1/4 in.
Over-all Length Without motor	36 in.
With motor	42 1/2 in.
Blade { Diameter Bore Type	9 in. 5/8 in. Fancy tooth combination
Depth of Cut (Maximum)	3 in.
Blade Tilts	0 to 45°
Distance in Front of Blade (Maximum)	13 in.
Length, Rip Fence	23 in.
Rip Fence Slide Bar Graduated	0 to 17 in.
Bearings	2: SKF ball
Table Size, With Extensions (Extensions Included)	28 x 26 in.
Speed	3450 R.P.M.
Motor Recommended	3/4 or 1-H.P., 3450 R.P.M. 99 PT 1970 or 99 PT 5605
Motor Pulley Supplied	2 1/2 in.



## 9-IN. BLADE TILTS 45 DEGREES

- Fancy tooth combination rip and crosscut blade gives full 3-inch depth of cut
- Saw blade and motor tilt any angle to 45 degrees; raise and lower
- Equipped with deep grooved, high-speed precision **SKF** ball bearings
- Floor type base is designed for greatest rigidity and stability

**CRAFTSMAN** does it again! Thousands of craftsmen have long wanted to own a big, floor-type, tilting-blade saw—but the cost has always been too high. Now **CRAFTSMAN** engineers and Sears tremendous purchasing power combine to bring you this fine tool at a price that has never been approached before! Compare it with \$100.00 saws!

Heavy duty precision construction throughout! Meets the exacting demands of master craftsmen and large industrial plants. Notice that it's complete! The tilting guard, kickbacks, splitter, table extensions and miter gauge—all are included at this one low price—and even more, this saw is built to take a standard motor. You don't have to buy an expensive special motor to fit it.

There is no finer blade tilting mechanism made! Massive trunnions carry the entire tilting device. Motor is counterbalanced for ease in operation.

Belt is never twisted. Angle of tilt and depth of cut are positively controlled by easy-acting hand wheels. Accurate gauges show depth and angle of cut.

The **SKF** ball bearings are packed in grease and sealed against dirt and saw-dust. Table is heavy, well ribbed and ground to a perfect finish. Front extension is ground gray iron and side extensions are heavy gauge steel. Rip fence is rigid, self-squaring type—has feed screw control with vernier adjustment which permits adjusting width of cut to  $\frac{1}{16}$  inch. Indexed miter gauge is fitted with adjustable stop rods. Snap-out door is provided in base for sawdust removal.

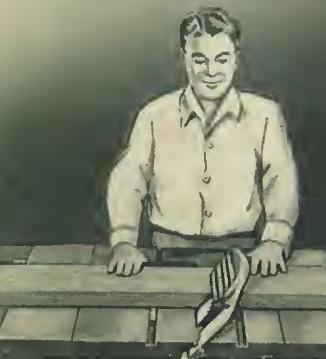
99 PTM 2182—Without motor. Shipping weight, 215 pounds.....\$65.00

99 PTM 2184—As above, with  $\frac{3}{4}$ -H.P. 3450 R.P.M. 110-120 volt 60-cycle A.C. condenser motor. Shipping weight, 260 pounds.....\$89.50

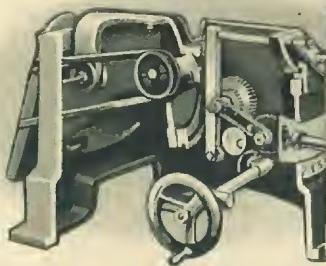
Easy  
Terms!  
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FRONT COVER

# PROFESSIONALS USE CRAFTSMAN BENCH SAWs

REG U.S. PAT OFF



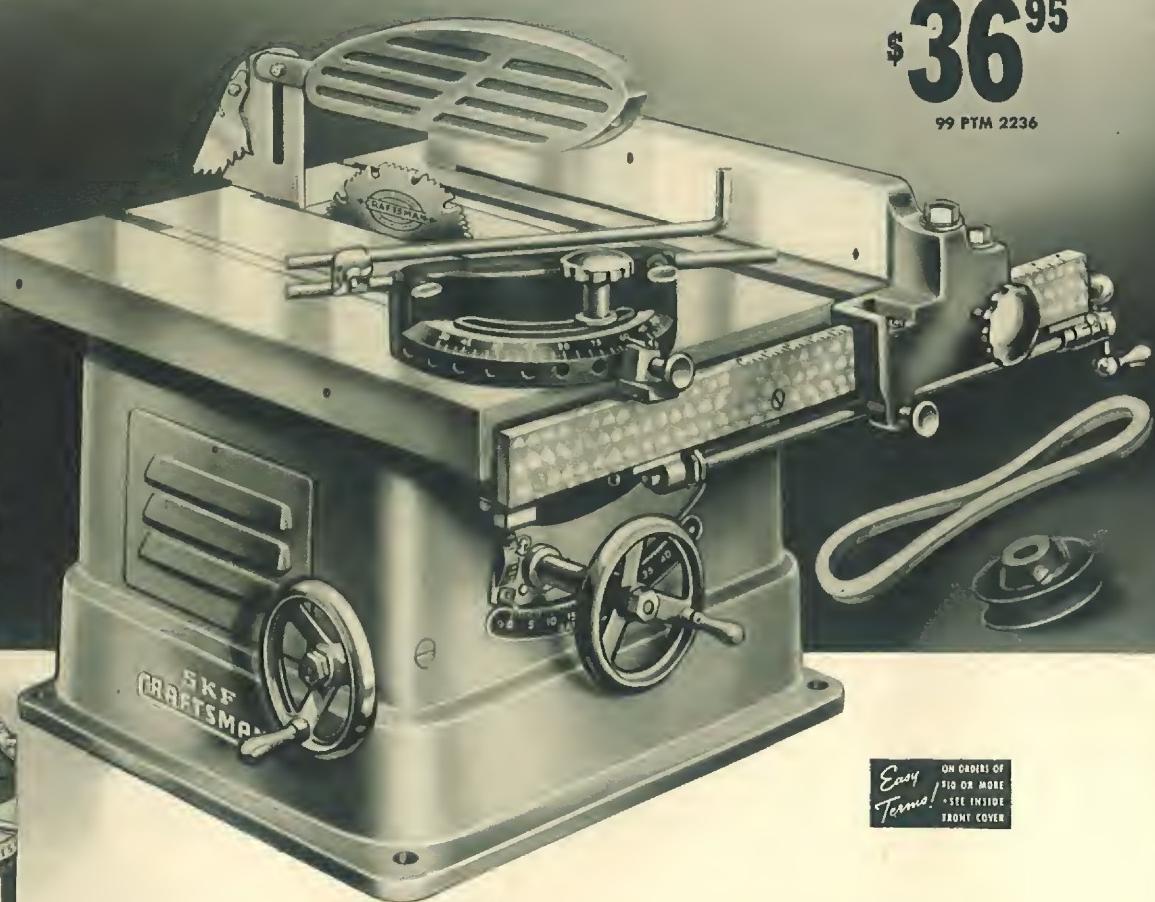
It is easy to cut a board at an angle on CRAFTSMAN Tilting Blade Bench Saws. Table is never tilted. Work lies flat regardless of angle at which board is cut. This means faster, easier, safer, BETTER work.



The elevating gears and rack are fully enclosed by 2 sheet steel sawdust guards. These have been removed in the illustration to show the arrangement of gears which control the tilting mechanism.

## SPECIFICATIONS

	99PTM2236	99PTM2237
Over-all Height	17½ in.	19 in.
Over-all Width	25 in.	27 in.
Over-all Length, Without motor	27 in.	36 in.
With motor	33 in.	42 in.
Blade Size	8 in.	10 in.
Depth of Cut	2½ in.	3¼ in.
Bearings	2; SKF ball	2; SKF ball
Table Size	20x16 in.	27x20 in.
Table Size, With Extensions (Extensions not included)	26x28 in.	34x32 in.
Speed Recommended	3450 R.P.M.	3450 R.P.M.
Motor Recommended	½ or ¾-H.P., 3450 R.P.M.	¾-H.P. or 1-H.P., 3450 R.P.M.
Machine Pulley Supplied	2½ in.	2½ in.
Motor Pulley Supplied	2½ in.	2½ in.
Recommended Mounting	Metal stand 99PTM2746	Metal stand 99PTM2747
Mounting Dimensions (From center of holes in base)	14¾ x 15⅓ in.	16 x 15⅓ in.



Easy Terms! ON ORDERS OF \$10 OR MORE \* SEE INSIDE FRONT COVER

## 8-INCH TILTING BLADE

- Saw blade (not the table) tilts any angle to 45 degrees, and raises and lowers
- Massive trunnions carry the entire tilting device. Motor is counterbalanced; tilts, raises and lowers with blade. Belt is never twisted. No finer tilting mechanism made!
- Equipped with deep-grooved, high speed precision SKF ball bearings for long life

This great CRAFTSMAN tilting blade bench saw has gained tremendous popularity with craftsmen all over America! And no wonder! You can't begin to match it within \$25.00 of Sears price!

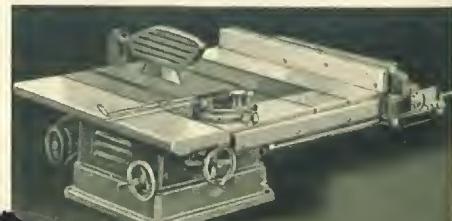
The tilting mechanism in the CRAFTSMAN is unsurpassed by any other bench saw at ANY price! Blade and arbor are carried in a heavy cradle on massive trunnions. Angle of tilt and depth of cut are positively controlled by easy-acting hand wheels. Accurate gauges show depth and angle of cut and width of rip. Slide bolt under front of table locks both raising and tilting mechanisms. Heavy, ribbed table is ground to a fine finish. Rip fence is rigid, self-squaring type—has feed screw control with vernier adjustment to ¼ inch. Accurately indexed miter gauge is fitted with adjustable stop rods. Blade is finest CRAFTSMAN plain tooth combination cross cut and ripping type. Tilting guard, splitter, rip fence, miter gauge, V-belt and motor pulley are all included at no extra charge. Both 8 and 10-inch saws are covered by Patent No. 2,121,069.

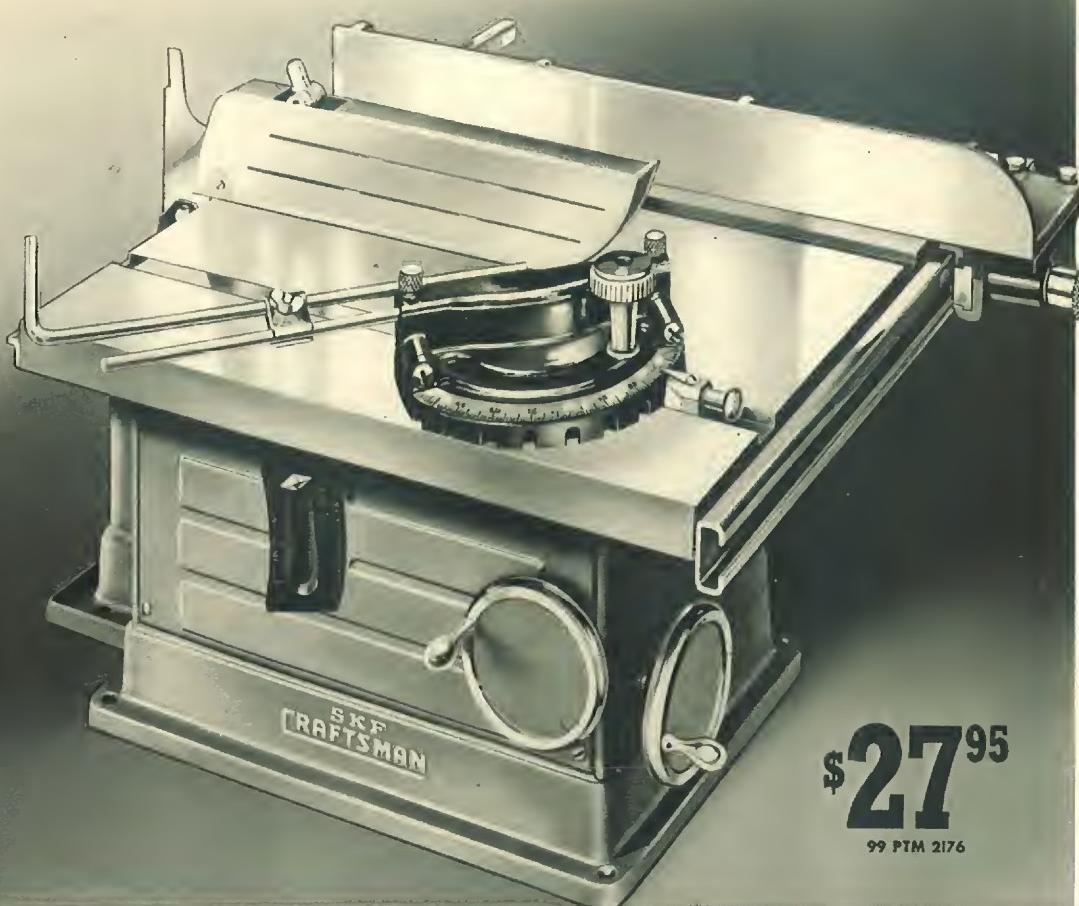
99 PTM 2236—CRAFTSMAN 8-Inch Tilting Blade Bench Saw. Without motor. Shpg. wt., 150 lbs. **\$36.95**  
99 PTM 2207—Tilting Blade Bench Saw as above, with ½-H.P. motor, 99PTM5587 on page 38. Shipping weight, 185 pounds. .... **\$52.50**

99 PTM 2237—CRAFTSMAN 10-Inch Tilting Blade Bench Saw. Without motor. Shpg. wt., 200 lbs. **\$49.90**  
99 PTM 2238—Tilting Blade Bench Saw as above, with ¾-H.P. motor, 99PT1970 on Page 38. Shipping weight, 245 pounds. .... **\$75.00**

9 PT 2219—Table insert for dado sawing for saw 99 PTM 2236. 3½ x 10½ in. Shipping weight, 8 oz. .... **.85**  
9 PT 2201—Table insert for dado sawing for saw 99 PTM 2237. 3½ x 12½ in. Shipping weight, 8 oz. .... **\$1.10**  
9 PT 2252—Heavy duty indexing miter gauge. Same as supplied on bench saws on this page. Fits ¾ x ¾ in. slot. Has stops for different angles. Shipping weight, 5 pounds. .... **\$2.75**

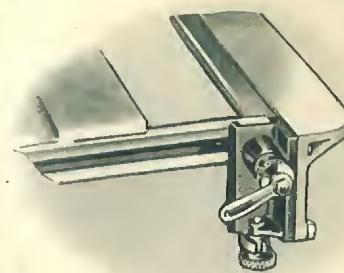
**Extension Tables for Large Work**  
**Front Extension.** With fittings and wood rip fence facing.  
9 PT 2208—For 99PTM 2236 Bench Saw. 6x16 in. Gives 15 inches in front of blade. Shipping wt., 14 lbs. **\$4.50**  
9 PT 2203—For 99 PTM 2237 Bench Saw. 20x5 inches. Gives 17½ in. in front of blade. Shipping wt., 14 lbs. **4.95**  
**Side Extensions.** Usable only with front extensions above. Complete with long feed screw and graduated bar.  
99 PT 2209—For PTM 2236 Bench Saw. Each, 6x26 inches. Shipping weight, 37 lbs. 2 side extensions.... **\$9.95**  
99 PT 2204—For 99 PTM 2237 Bench Saw. Each, 7x32 inches. Shpg. wt., 58 lbs. 2 side extensions.... **11.95**



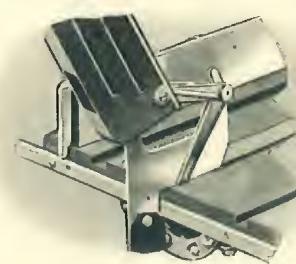


**\$27<sup>95</sup>**

99 PTM 2176



View of fence in rolled over position. This exclusive feature provides extra table space and allows you to get the fence out of the way for cross cutting without removing it from the machine.



Double pivot arrangement allows the efficient guard to move back and up as work moves into blade. Guard may be tilted back out of way. Note the fully enclosed spring loaded kick backs.

## 8-INCH BLADE . . TILTING TABLE

- 8-inch plain tooth combination rip and crosscut blade. Depth of cut, 0 to 2½ inches
- Precision SKF® ball bearings, packed in grease and sealed against grit and dirt
- Exclusive "roll over" rip fence rolls out of way and gives greater table surface
- Table tilts any angle to 45 degrees on oversize tongue and groove type trunnions

This **CRAFTSMAN** bench saw with the exclusive "roll-over" fence is an ideal choice for the craftsman who wants a sturdy, accurate tool.

It incorporates many practical features for ease in handling. For example—no other bench saw in the world at ANY price has a rip fence like this! When it is moved to the end of the front bar, it strikes a stop and pivots down flat, level with the table surface. There's no need to remove it for cross cutting. And even more, in the rolled over position it acts as a table extension. There is a built-in vernier adjustment for making the fence level with the table or for setting it to any cut desired.

This saw has famous **CRAFTSMAN** quality in every detail of construction! The heavy rib-braced cast iron table measures 15½x18½ inches and is smoothly ground. Has removable insert for dadoing. Table tilting mechanism is con-

trolled by a hand wheel and a self-locking screw—can be manually locked if desired. The 8-inch blade can be raised and lowered for any depth of cut from 0 to 2½ inches. Miter gauge has indexing device and stops for important angular positions. The automatic-leveling double-pivot guard (see small illustration above at right) costs us more than an ordinary guard, but it is far more efficient.

All controls are equipped with accurate gauges—indicating depth of cut, depth of dado cut, angle of tilt of table, angle of miter gauge and width of rip.

99 PTM 2176—Complete with miter gauge, "roll-over" fence, splitter, and double-pivot guard. Without motor. Shpg. wt., 95 lbs. \$27.95

99 PTM 2177—Same as above, complete with 99 PT 5587 ½-H.P. motor described on page 38, ½x42-inch V-belt, and 2½-inch motor pulley. Shipping weight, 126 pounds. .... \$44.45

## SPECIFICATIONS

Over-all Height	13 in.
Over-all Width	20 in.
Over-all Length	26½ in.
Blade Size	8 in.
Depth of Cut	2½ in.
Distance in Front of Blade.....(With Extensions)	8 in. 13½ in.
Bearings	2; SKF ball
Table Size	15½x18½ in.
Table Size, With Extensions (Extensions not included)	26½ x 24¾ in.
Speed Recommended	4000 R.P.M. 99PT5587 or 99PT1970 ½ or ¾-H.P. 3450 R.P.M.
Motor Recommended	Machine Pulley Supplied
Machine Pulley Supplied	2 in.
Motor Pulley Recommended	2½ in.
Recommended Mounting	Metal stand, 99PTM2789
Mounting Dimensions (Center to center of holes in base)	8½ x 13½ in.



### Sanding and Cutting Discs

Specify ½-in. hole for saws shown on Pages 3 and 4; and ¾-in. hole for saws on Pages 1 and 2.

9 PT 2272—8-inch steel sanding disc wheel. State bore. .... \$1.65

Shipping wt., 4 lbs. .... \$1.65

9 PT 2273—Six 8-in. sanding discs, coarse and fine, for above wheel. Shpg. wt., 10 oz. .... 45¢

9 PT 6470—8-in. metal cutting wheel. ¾-in. thick. State bore. Shpg. wt., 1 lb. 14 oz. .... \$1.10

### COMPANION 4-In. Dados

2 outside saws, 6 ½-in. hole. Shipping wt., 15 oz. .... \$2.45

9 PT 4883—Outside Dado Saw only. Shipping weight, 6 oz. .... 45¢

9 PT 4880—Inside Chipper only. Shipping weight, 3 oz. 25¢

### CROSSLAP 5½-Inch Dado Saws

9 PT 4888—Consists of two 3½-in. thick outside saws; six ½-in. thick chippers. ½-in. hole. For saws on pages 3 and 4. Shpg. wt., 1 lb. 8 oz. .... \$3.50

9 PT 4889—As above, but ¾-in. hole for saws on pages 1 and 2. Shipping weight, 1 pound 8 ounces. .... \$3.50

Specify ½ or ¾-in. hole on items below.

9 PT 4884—Outside Saw only. Specify size. (See above.) Shpg. wt., 9 oz. .... 95¢

9 PT 4881—Inside Chipper only. Specify size. (See above.) Shpg. wt., 3 oz. .... 30¢

### CRAFTSMAN 6-Inch Dado Saws

Two ½-in. thick outside saws, one ¼-in. chipper, two ⅛-in. chippers, one ½-in. chipper. Shipping weight, 3 pounds 8 ounces. .... \$8.95

9 PT 4874—½-in. hole. .... \$8.95

9 PT 4875—¾-in. hole. .... \$8.95

Specify ½ or ¾-in. hole on items below.

9 PT 4876—Outside saw. .... 2.65

9 PT 4877—½-in. chipper. .... 65¢

9 PT 4878—⅛-in. chipper. .... 1.05

9 PT 4879—¼-in. chipper. .... 1.35

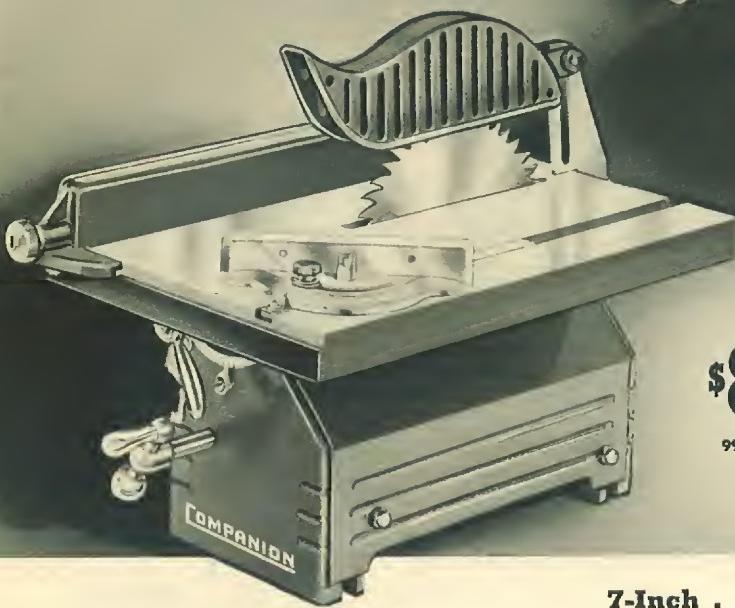
### Extension Tables For Large Work

For bench saw 99 PTM 2176, above. Fit perfectly and provide solid working surface. Set includes 2 front extensions, 2 side extensions, extension to support rip fence, necessary support bars, bolts and fittings. Front extensions are gray iron, ground and polished. Steel side extensions. Gives a total working area 26½ x 24¾ in. Shpg. wt., 31 lbs.

99 PT 2179. .... \$8.95

Page 3

**NEW AND IMPROVED**  
**COMPANION**  
BEG U.S. PAT OFF.  
**BENCH SAWS**



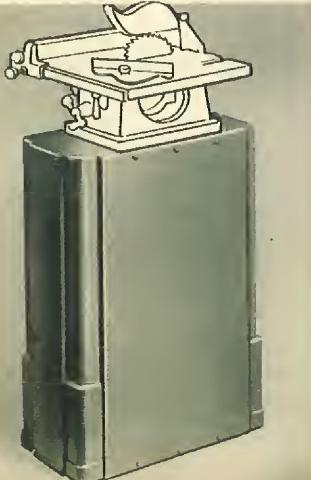
**7-In. Combination Blade**

- Blade raises and lowers; cuts 0 to 2½ in.
- 14½x10½-in. table tilts from 0 to 45°
- Working mechanism is entirely enclosed
- Sturdy rip fence locks at both ends

Far superior to ANY other bench saw in this price range! Compare it with \$12 saws! Notice the safe, fully enclosed design—the rugged base—and the sturdy, well-designed guard.

Auto-lubricating bronze bearings for long life. Ball crank and gear mechanism as in high priced bench saws, raises and lowers the blade on two heavy columns. Positive lock on raising and lowering device. Table tilts on double pivots any angle to 45°. Accurate depth of cut and angle gauges. Will crosscut, rip, miter and groove. Removable dado insert. Complete with self-aligning fence, safety guard, splitter and miter gauge. Shipping weight, 32 pounds.

99 PT 2169.....\$8.95

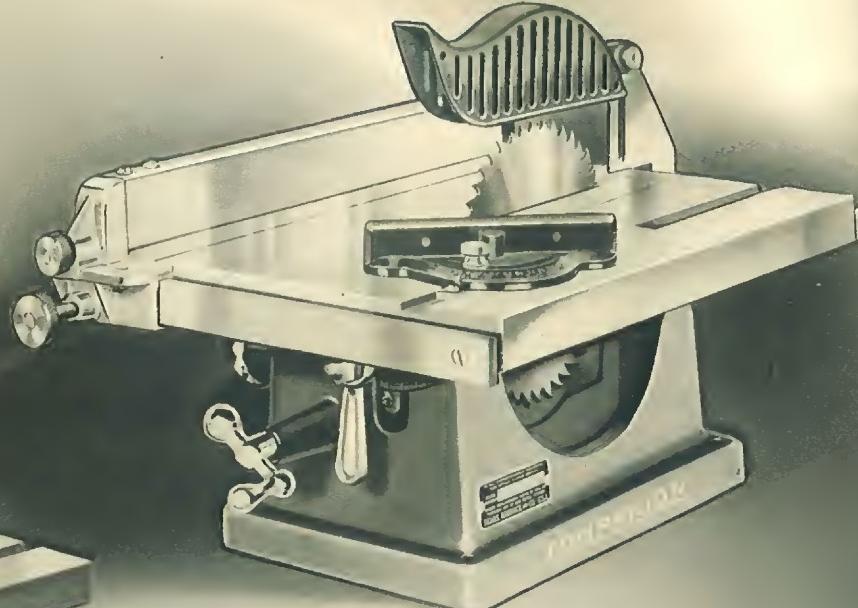


**COMPANION**

**Machine Stand**

An ideal stand for either of the bench saws listed on this page. New! Modern streamlined design! Fully enclosed! Heavy construction throughout for maximum rigidity and freedom from vibration. Convenient snap door in front. If under-drive is desired for a tool, it can easily be accomplished by mounting a wooden shelf inside the cabinet and mounting the motor on it. Complete instructions for doing this are furnished with each stand. Over-all dimensions: top, 12x26 inches; 31 inches high. Attractive blue finish. Shipping weight, 49 pounds.

99 PTM 2790.....\$7.95



**\$8.95**

99 PT 2169

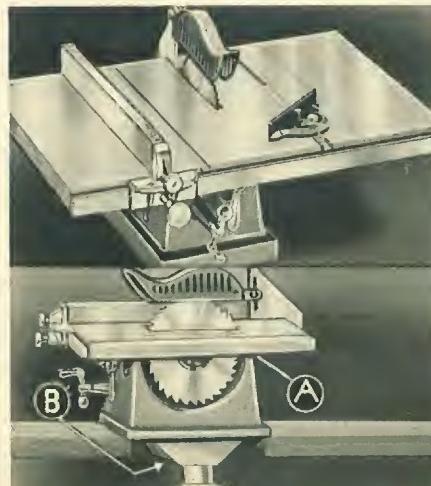
**\$14.95**

99 PTM 2171

**SPECIFICATIONS**

	99 PT 2169	99 PTM 2171
Over-all Height	11½ in.	12¾ in.
Over-all Width	10½ in.	12¼ in.
Over-all Length	16½ in.	21 in.
Blade Size	7 in.	7 in.
Depth of Cut	2½ in.	2½ in.
Bearings	Bronze	Bronze
Table Size	10½ x 14½ in.	12¼ x 16½ in.
Table Size, With Extensions (Not supplied)	....	23½ x 16½ in.
Speed	4000 R.P.M.	4000 R.P.M.
Motor	½ or ¼- H.P., 3450 R.P.M.	½ or ¼- H.P., 3450 R.P.M.
Machine Pulley Supplied	2 in.	2 in.
Motor Pulley Recommended	2½ in.	2½ in.
Recommended Mounting	99 PTM 2790 metal stand	99 PTM 2790 metal stand
Mounting Dimensions	4¾ x 9¾ in.	6¾ x 11½ in.

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\$10 OR MORE  
+SEE INSIDE  
FRONT COVER



**Extension Table for Large Work**

Accurately made, carefully finished. For 99 PTM 2171 saw above. Fits perfectly, provides a larger working space. Set includes 2 steel side extensions, each 5½ inches by 16¾ inches, with all necessary support bars and fittings for attaching to machine. Will accommodate rip fence. Fits easily to saw. Total working area 23½ inches wide by 16¾ inches long. Add these extensions and you'll have a machine that can handle jobs which would ordinarily overtax the capacity of a larger saw. Shipping weight, 5 pounds.

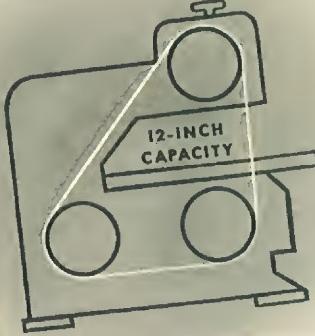
9 PT 2174.....\$4.45

**Dust Collecting Outfit**

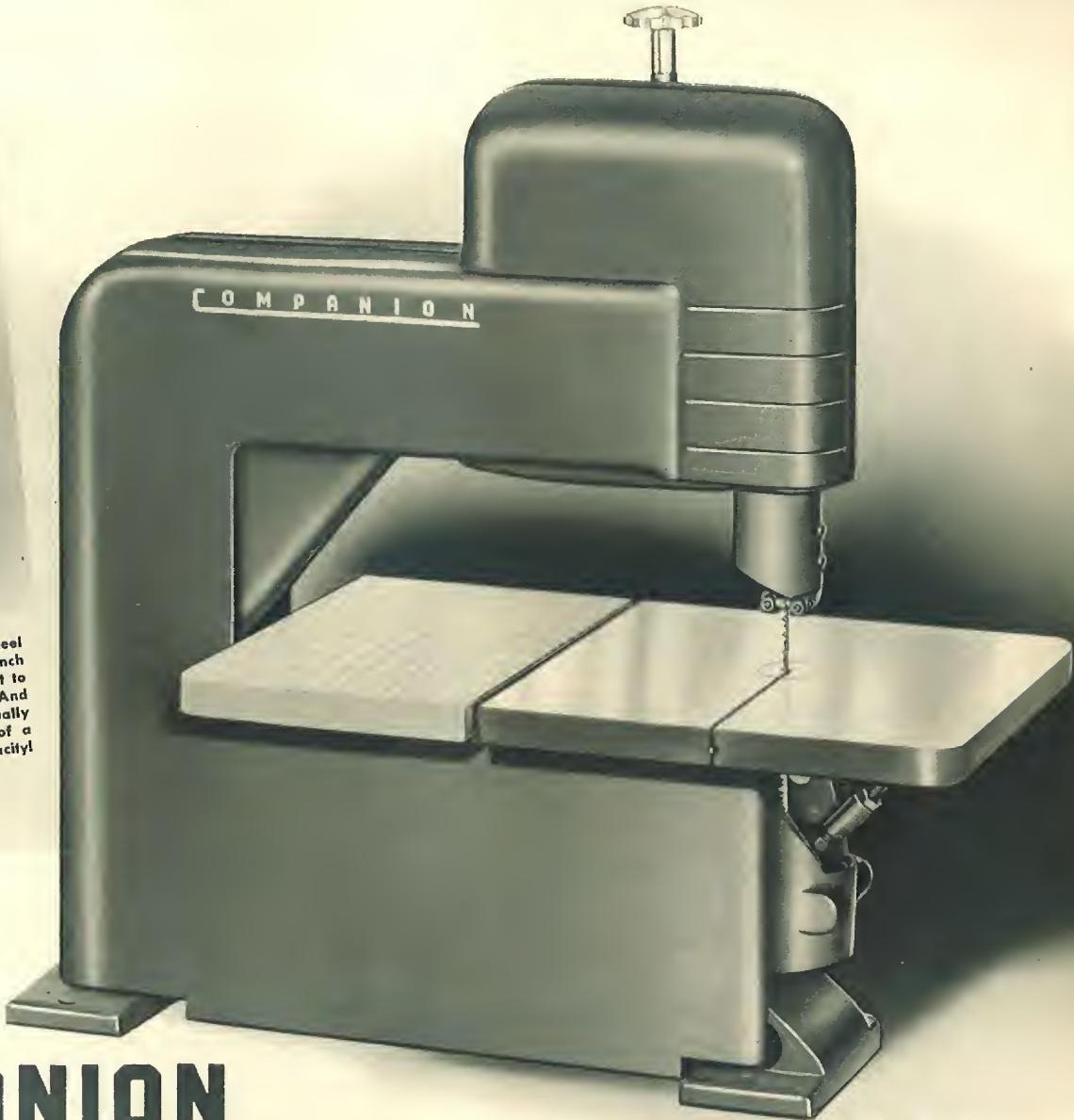
This convenient accessory will keep your workshop clean and neat. With this outfit sawdust that ordinarily goes flying about the room collects in dust bag, attached to end of chute. Set consists of dust guard (A) and sawdust chute (B) for attaching to base of the 99 PTM 2171 bench saw listed and illustrated above. Shipping weight, 5 pounds.

9 PT 2246.....\$1.35

NEW TYPE BAND SAW  
GREATER CAPACITY  
AT LOWER COST!



Notice how the sensational new 3-wheel construction gives this saw a full 12-inch throat on 1-inch material—permitting it to cut to the center of a 24-inch circle! And don't forget—this amazing tool actually costs less than  $\frac{1}{2}$  the usual price of a standard band saw with a 12-inch capacity!



# COMPANION

REG. U. S. PAT. OFF.

ANNOUNCES  
A PERFECTED

## 3-WHEEL BAND SAW

\$14<sup>95</sup>

### A Quality Tool With a Full 12-Inch Capacity

- New 3-wheel design makes possible a saw with 12-in. throat at moderate cost
- Newly developed high chrome-manganese alloy steel blades last MUCH longer
- Auto-lubricated bronze bearings in wheels and guides for long life
- Entire mechanism completely enclosed.

One of the safest band saws ever built

Sears do it again! Never before, in power tool history, has there been a tool like this! It's one of the most revolutionary developments EVER made in band saw design!

Think of getting a saw that will cut to the center of a 24-inch circle, at this price! Only Sears exclusive new 3-wheel construction makes it possible! And even more—in order to perfect this type of saw, we've developed an amazing new high chrome-manganese steel alloy blade which will last MANY times longer than an ordinary blade! No other band saw in the world has a blade like it!

The **COMPANION** follows the latest trend of automotive design, with its rugged gray iron frame enclosed in a streamlined casting of heavy steel. The entire working mechanism is enclosed, making this one of the safest band saws ever placed on the

market. The rubber cushioned bronze bearing wheels are completely covered, and if the blade should ever break, it's inside the casing where it can't fly out and do any harm!

Notice that it has a full 4-inch depth of cut under guide. Table tilts any angle to 45 degrees. There are saw blade guides both above and below table, each with two auto-lubricating bronze guides and one thrust wheel. Upper wheel may be raised for adjustment of blade tension, and may be tilted to make blade track correctly. Patent applied for. Shpg. wt., 75 lbs.

99 PTM 2334 — **COMPANION** 3-Wheel Band Saw.....\$14.95

9 PT 2336—Blades for above saw. New high chrome-manganese alloy. 58 in. long. Widths:  $\frac{3}{16}$ ,  $\frac{1}{4}$ , or  $\frac{3}{8}$  in. State width. Shpg. wt., each, 6 oz. Each.....85c

Easy  
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### SPECIFICATIONS

Over-all Height	22 $\frac{1}{2}$ in.
Over-all Depth	10 in.
Over-all Width	22 $\frac{1}{4}$ in.
Width of Blade	$\frac{1}{4}$ in.
Length of Blade	58 in.
Thickness of Blade	.012 in.
Depth of Cut	4-in. with 9 $\frac{1}{2}$ -in. throat; 1-in. with 12-in. throat
Bearings	Bronze
Size of Wheels	6 $\frac{1}{4}$ in. diam.
Table Size	10x10 in.
Table Size, With Wood Extension	10x17 in.
Speed	860 R.P.M.; 1400 ft. per minute
Motor	$\frac{1}{2}$ -H.P., 1750 R.P.M.
Machine Pulley Supplied	4-in. diam.
Motor Pulley Recommended	2-in. diam.
Recommended Mounting	Stand, 99PTM2790
Mounting Dimensions	16 $\frac{1}{4}$ x4 $\frac{1}{4}$ in.

# 12-IN. FULLY ENCLOSED

STURDY, FAST CUTTING

# CRAFTSMAN

REG U.S. PAT. OFF

## SPECIFICATIONS

Over-all Height (Without stand)	35 in.
Over-all Width	23½ in.
Over-all Depth	14 in.
Width of Blade (Standard Equipment)	¼ in.
Length of Blade	80 in.
Depth of Cut	6¼ in.
Bearings	4; SKF ball; (2 in each wheel)
Size of Wheels	12½ in.
Table Size	12½x14 in.
Table Size (With wood extension)	14x18½ in.
Speed	700 R.P.M. or 1870 ft. per minute
Motor	99 PT 1955 or 99 PT 1956, ½- H.P. or ½-H.P., 1750 R.P.M., Condenser type
Machine Pulley Supplied	5-in.
Motor Pulley Recommended	2-in.
Mounting Recommended	99 PTM 2789, metal stand
Mounting Dimensions	5¾x13½ in.

**\$29.95**

Less Motor  
and Stand

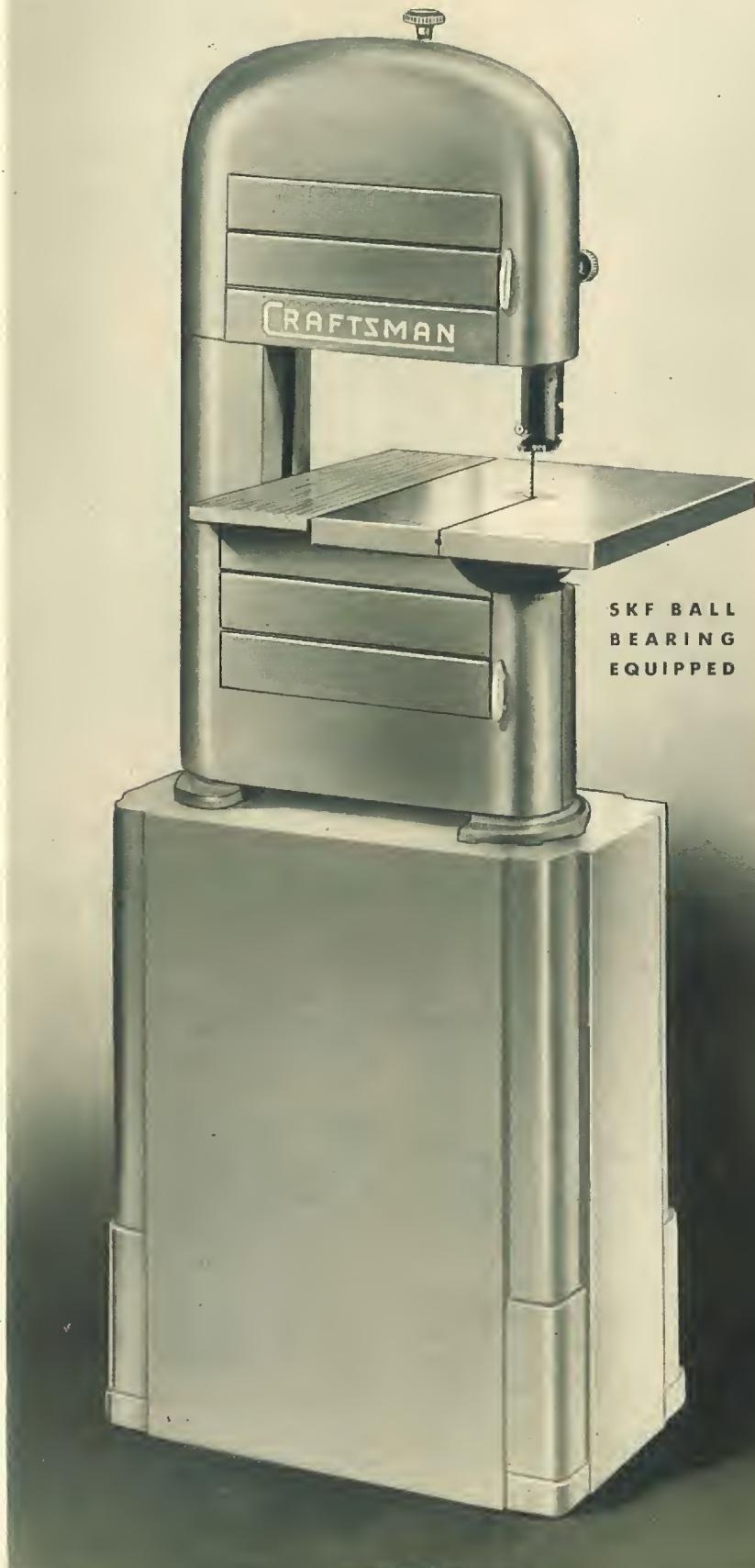
- New fully enclosed design for utmost safety
- Two precision **SKF** ball bearings in dustproof housings in each wheel
- New extra heavy wheels for smooth operation
- Easily handles stock up to 6½ inches thick
- Large, 12½x14-in. reinforced gray iron table tilts any angle up to 45 degrees

Entirely new! Greatly improved! The finest 12-inch band saw we have ever sold! Has features and operating advantages you'll find in no other 12-inch band saw in the world at ANY price! Notice Sears exclusive enclosed design! It gives the saw a beautiful sleek and streamlined appearance—but far more important, it makes it one of the safest band saws ever built!

Follows the latest automotive design! A heavy steel column and husky gray iron castings form an extra-strong frame which is completely covered by the heavy gauge steel casing. The rubber faced gray iron wheels have great weight which gives them a flywheel effect for amazingly smooth operation, even on deep cuts. Ball bearing saw guides both above and below table have oil-impregnated bronze blocks which increase life of blades. Upper wheel may be raised or tilted for adjustment of blade.

99 PTM 2337—Less motor and stand. Shipping weight, 105 pounds.....\$29.95  
 99 PTM 2341—As above, but with ½-H.P. motor  
 99 PT 1955 on Page 38. Shpg. wt., 136 lbs.....\$41.50  
 99 PTM 2789—Enclosed stand, as illustrated, for above band saw. Described on Page 33. Shipping weight, 47 pounds.....\$7.95

Easy  
Terms!  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER



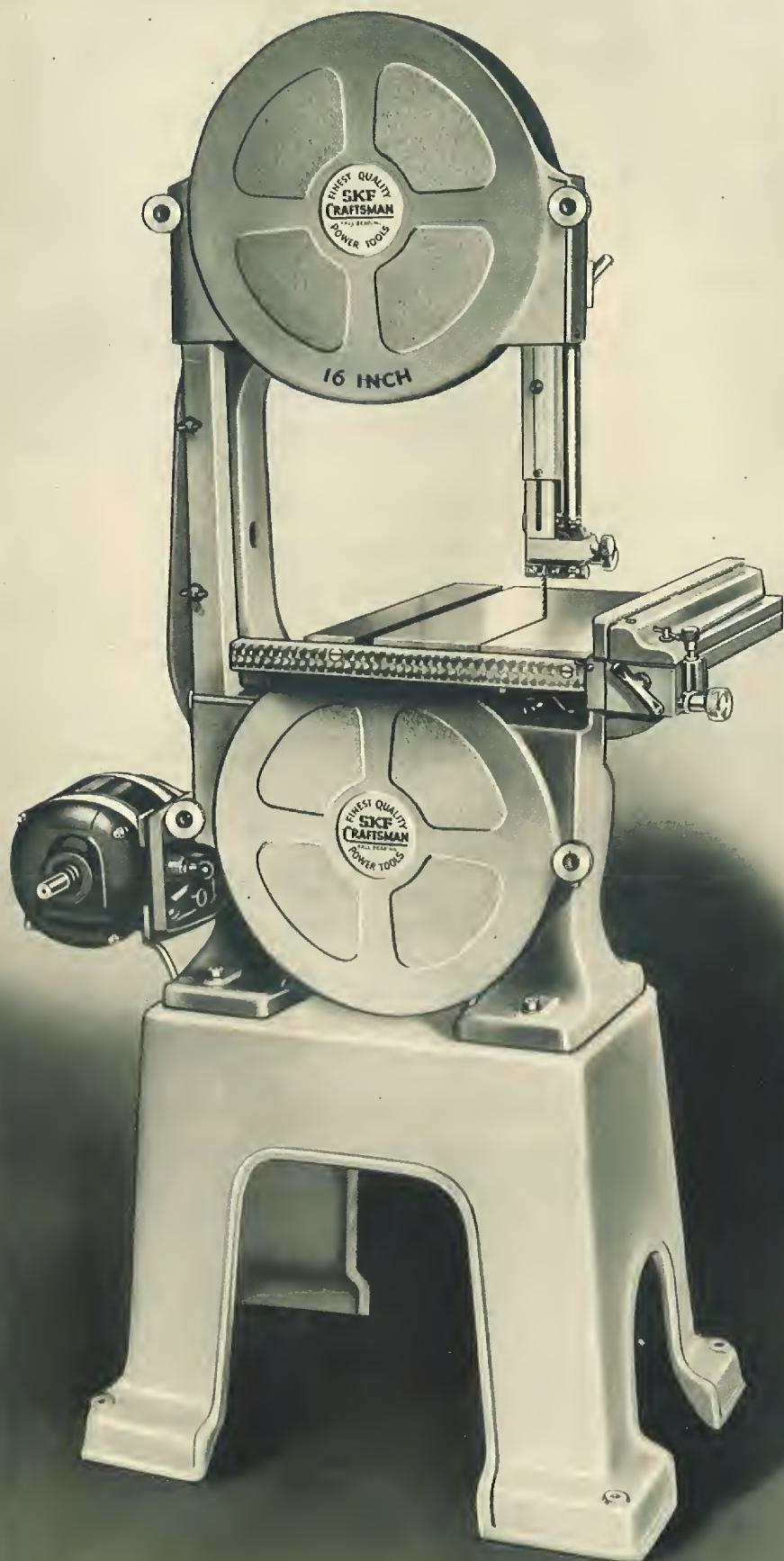
### CRAFTSMAN Band Saw Blades

- Ⓐ Finest quality saw steel. Shpg. wt., each, 7 oz. State width.  
 For above band saw, 99 PTM 2337. 80 in. long. **89c**  
 9 PT 2623—For wood cutting, ½, ¼, ⅓, or ½-in. widths.....89c  
 9 PT 2624—Spring temper for cutting brass, etc. ¼-in. width...89c  
 9 PT 2625—Hard edge for cutting steel, etc. ¼-in. width.....89c  
 For our old model 99 PTM 2304 Band Saw. 78 in. long.  
 9 PT 2657—For wood cutting, ½, ¼, ⅓, or ½-in. widths...89c  
 9 PT 2668—Spring temper for cutting brass, etc. ¼-in. width..89c

Rip Fence for Above Band Saw  
**\$2.45**

- Ⓑ Locks both front and rear! Useful for straight cuts on thin pieces.  
 Use with ½-in. blades. With all necessary fittings.  
 9 PT 2343—Shipping weight, 5 pounds.....\$2.45

# PRECISION BALL BEARING BAND SAWS



## SPECIFICATIONS

Over-all Height (Without stand)	50½ in.
Over-all Depth	21 in.
Over-all Width	30 in.
Width of Blade (Standard Equipment)	¾ in.
Length of Blade	114¾ in.
Depth of Cut	12 in.
Bearings	4; SKF ball; (2 in top wheel, 2 in bottom wheel)
Size of Wheels	16 in.
Table Size	17x18 in.
Speed	680 R.P.M. Blade travel, 2900 ft. per minute
Motor	99 PT 5619 ½-H.P., 1750 R.P.M.
Machine Pulley Supplied	6½ in.
Motor Pulley Supplied	2½ in. (¾-in. bore)
Recommended Mounting	99PTM2318, base, listed below
Mounting Dimensions	9 x 16¾ in.

**\$75<sup>00</sup>**  
Less Motor  
and Base

- Precision **SKF** ball bearings in dustproof housings—packed with lubricant for long life
- Handles material up to 12 inches thick
- Large 17x18-in. reinforced gray iron table, carefully ground; has groove for miter gauge
- Table may be tilted 45 degrees to right; 10 degrees to left

Our finest band saw! Extra large! Extra heavy! Built for the most exacting heavy duty professional use—yet it is ideal for the amateur craftsman who wants the very best band saw his money can buy. Bites through tough 12-inch lumber—yet handles small and delicate work with hair-line accuracy!

Two sets of **SKF** ball bearings in each carefully balanced gray iron wheel. Heavy one-piece gray iron frame. Ball bearing saw guides with micrometer adjustment—equipped with oil impregnated bronze blocks to protect your blades and keep them from hardening. Mounting of upper wheel spindle is designed for better alignment—always maintains same distance between guard and wheel. Telescoping arrangement on auxiliary guard makes it possible to keep blade covered all the way down to the work. Complete with 48-inch belt, 2½-inch V motor pulley, ¾-inch saw blade, rip fence, and 72-page instruction book.

<i>Easy Terms!</i> ON ORDERS OF \$10 OR MORE SEE INSIDE FRONT COVER	99 PTM 2301—Less base and motor. Shipping weight, 31 pounds..... \$75.00
	99 PTM 2318—Gray iron base. Shipping weight, 125 pounds..... \$14.95
	99 PTM 2316—With base and ½-H.P. 1750 R.P.M. 110-120-volt 60-cycle A.C. CRAFTSMAN ball bearing motor, 99 PT 5619 (see Page 39). Shipping weight, 503 pounds..... \$115.00



### CRAFTSMAN Band Saw Blades

For 16-inch band saw. Finest quality saw steel. Length, 114¾ in. ¾-in. blade recommended for resawing. Shpg. wt., each, 8 oz.  
9 PT 2659—½ or ¼-in. wide. State width..... \$1.25  
9 PT 2659—½ or ¾-in. wide. State width..... 1.35  
Special Length Band Saw Blades. Swedish steel. NOT BRAZED. We braze blades for 40¢ each. Shipped from factory at Chicago and you pay postage from there. Order from Sears nearest Mail Order House. State width and length. Check desired length for your saw by measuring around wheels with tape measure, with upper wheel close to top position.

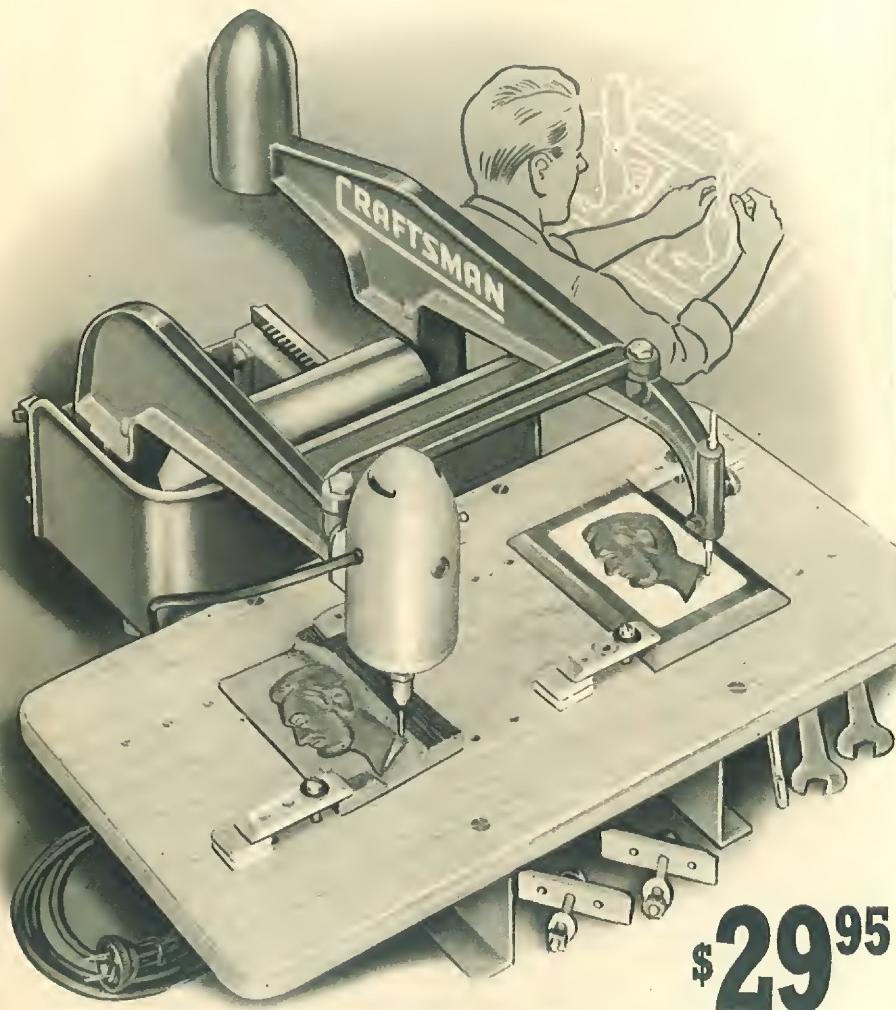
Width, in. . . . .	¼	¾	½	¾	¾	1	1¼	1½
Shpg. wt., foot. . . . .	1 oz.	1 oz.	1 oz.	1 oz.	2 oz.	2 oz.	3 oz.	3 oz.

99PT2669—Per ft. . . . . 9¢ 10¢ 11¢ 12¢ 14¢ 15¢ 20¢

MAKE PERFECT WOODEN  
REPRODUCTIONS WITH A

# CRAFTSMAN CARVER

REG. U. S. PAT. OFF.



\$29<sup>95</sup>

## POWERFUL UNIVERSAL BALL BEARING MOTOR

- Makes all kinds of complicated carvings, plaques, mouldings, etc.
- Hundreds of uses—a whole hobby in itself

Give your work that professional touch with this amazing tool! For years, intricate hand carving has been the highest form of woodworking—the sign of a master craftsman. Now you can do it perfectly—automatically—with power!

It's simply impossible to realize what a marvel this machine is until you use it. Professionals can't get along without it—amateurs are surprised and delighted by its versatility. Plaques . . . panels . . . book ends . . . jewelry boxes . . . furniture carvings . . . mouldings . . . drawings or photographs of ornamental designs . . . even photographs of your family or notable characters . . . all can be easily and accurately carved in wood!

**Here's the Way You Do It:** Start with a model—a plaque for example—under the tracer pin on the right hand arm. As you trace the outlines and details of the plaque with the tracer pin, the cutter on the left hand arm follows the same pattern exactly. The arms move together sideways—back and forth—up and down—or in any intermediate motion at any angle. The design on the plaque is roughed down and finished with the large cutters. The small cutters are used to bring out all the fine details.

The machine is perfectly balanced to allow it to follow every detail of the model easily and accurately. Will handle wood up to 9x8½ inches at one setting of the model (up to 9x17 inches at two settings). Will handle **any** length if not more than 6 inches wide. Powerful Universal ball bearing motor runs on 110-120 volt A.C. or D.C. (A.C. 25 to 60 cycles)—never needs lubrication. 5-ply hardwood table is 23¾x11½ in. Over-all height, 14½ inches. Complete with instruction booklet, 6-ft. rubber covered cord and plug; all necessary clamps, screws, etc.; 2 chuck wrenches; chuck; one ¼-in. cutter; 2 tracer pins; a model and a piece of wood to get you started carving. Patents applied for. Shpg. wt., 55 lbs.

99 PT 2566—**CRAFTSMAN** Carver.....\$29.95

Easy  
Terms!  
ON ORDERS OF  
\$10 OR MORE  
\*SEE INSIDE  
FRONT COVER

CHECK QUALITY

# COMPANION

REG. U. S. PAT. OFF.

\$6<sup>95</sup>



## MAGNETIC JIG SAW . . . FOR FAST, FINE WORK

- Speed! 7200 strokes per minute
- Self contained! No motor to buy!
- Safe! The high speed short stroke is safer
- Very smooth cut—no sanding necessary

Exactly what you need for those intricate sawing jobs—in thin wood that must be done accurately. The **COMPANION** Magnetic Jig Saw handles up to ¾-inch stock, but is particularly recommended for light work. Within its field, you can't beat it. It cuts a right angle or a circle as small as ½-inch in diameter . . . leaving absolutely smooth edges that need no sanding. It does the job by using high speed—7200 strokes per minute, and a stroke of ⅛ to ¼-inch. The stroke length can be regulated simply by turning the adjustment knobs. Table size, 8x8 in. Throat, 11 in. deep.

The **COMPANION** Magnetic Jig Saw is complete in itself. No need to buy a motor. Just plug it in—that's all.

The high speed—short stroke, vibrating action of this **COMPANION** Jig Saw coupled with its freedom from belts makes this tool unusually safe, even for the younger craftsmen. The low price makes it a great power tool value!

99 PT 2299—Shipping weight, 17 pounds.....\$6.95

9 PT 2690—Package of 6 special saw blades for **COMPANION** Magnetic Jig Saw. Shipping weight, 1 oz. 15c

## CARVING CUTTERS

To be used on the **CRAFTSMAN** Carver at left. High carbon steel, accurately ground and finished, ½-inch shanks fit the collet chuck. Shipping weight, each, 2 ounces.

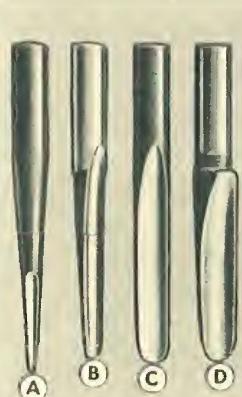
- (A) 9 PT 2571—1½-inch.....35c
- (B) 9 PT 2570—½-inch.....35c
- (C) 9 PT 2569—½-inch.....39c
- (D) 9 PT 2568—¼-inch.....39c

## CARVING MODELS

Here are a few typical models for use with the carver. You'll find hundreds more in dime stores, gift shops—even in your own home. Shipping weight, each, 8 ounces.

9PT2573—State number wanted.

- |                              |        |
|------------------------------|--------|
| (1) Lincoln Head (profile)   | ...35c |
| (2) Monk's Head (front view) | ...55c |
| (3) Floral Design            | ...40c |
| (4) Crucifix                 | ...55c |
| (5) Spanish Galleon          | ...40c |
| (6) Sword Fish               | ...55c |



# FEATURES IN JIG SAWS



## 11-IN. THROAT . . CUTS TO CENTER OF 22-IN. CIRCLE

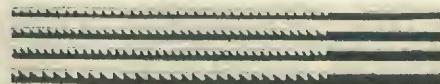
- Balanced modified Scotch yoke action
- Mechanism runs in bath of oil at all times
- Built-in sawdust blower keeps work clean
- Easily handles stock up to 1-inch thick

Here's a tool that stands out in front of all others in this price range, for value and performance! If it weren't for Sears tremendous power tool production, this price would be utterly impossible!

Sturdy bridge truss type frame. Large table, 9x9 inches, tilts any angle to 45 degrees. Improved table tilting support carries table at two points, front and rear—makes table more rigid and sawing more accurate. Fully enclosed coil type spring—no blade whip! Husky bronze main bearing. Adjustable blade guide and hold down. The carefully balanced mechanism is fully enclosed and runs in bath of oil. Modified Scotch Yoke action—as in the most expensive jig saws. This means smoother operation—longer life!

Be sure the jig saw you buy has all the features described above. Then make the final test—operate it! That's the way to compare it! See for yourself how much finer this Sears saw is than any other jig saw sold at anywhere near its price! For detailed specifications, see table at right of page. Shipping weight, 20 pounds.

99 PT 2259—**COMPANION** Jig Saw.....\$5.95



## CRAFTSMAN FRET AND JIG SAW BLADES

Highest quality; Heat treated, tempered and hardened for long life and fast, easy cutting.

The 6 and 8½-inch plain end blades may be snapped off to fit any machine taking shorter plain end blades.

Catalog Number	Thickness	Width	No. in Pkg.	Type End	Length	Teeth per Inch	Use*	Shpg. Wt.	Per Pkg.
9 PT 2692	.008 inch	.035 inch	8 blades	Plain	6 inches	22	W. V. Pd.	1 oz.	19¢
9 PT 2693	.010 inch	.045 inch	8 blades	Plain	6 inches	18	W. V. Pd.	1 oz.	19¢
9 PT 2694	.010 inch	.055 inch	8 blades	Plain	6 inches	16	W. V. Pd.	1 oz.	19¢
9 PT 2695	.010 inch	.070 inch	8 blades	Plain	6 inches	14	W. M.	1 oz.	19¢
9 PT 2703	.020 inch	.070 inch	6 blades	Plain	6 inches	32	M.	1 oz.	19¢
9 PT 2702	.014 inch	.078 inch	6 blades	Plain	6 inches	16	M.	1 oz.	19¢
9 PT 2709	.020 inch	.110 inch	6 blades	Plain	6 inches	20	G. W. M.	1 oz.	19¢
9 PT 2710	.020 inch	.110 inch	6 blades	Plain	6 inches	7	W. P.	1 oz.	19¢
9 PT 2700	.020 inch	.110 inch	6 blades	Plain	6 inches	10	G. W. M.	1 oz.	15¢
9 PT 2701	.020 inch	.110 inch	6 blades	Plain	6 inches	16	G. W. M.	1 oz.	15¢
9 PT 2704	.020 inch	.110 inch	6 blades	Plain	5 inches	10	G. W. M.	1 oz.	15¢
9 PT 2705	.020 inch	.110 inch	6 blades	Plain	5 inches	15	G. W. M.	1 oz.	15¢
9 PT 2706	.020 inch	.110 inch	6 blades	Plain	8½ inches	10	G. W. M.	1 oz.	19¢
9 PT 2707	.020 inch	.110 inch	6 blades	Plain	8½ inches	15	G. W. M.	1 oz.	19¢
9 PT 2708			3 blades	Sabre	6 inches	Assorted	W	1 oz.	19¢

\*W—Wood. M—Metal. P—Catalin or other Plastics. V—Veneer. Pd—Plywood. G—General Purpose.



## 15-IN. THROAT . . CUTS TO CENTER OF 30-IN. CIRCLE

- Auto-lubricating bronze main bearing for trouble-free operation
- Perfectly balanced modified Scotch Yoke action for smoother cutting
- Mechanism runs in bath of oil in dustproof, oil-tight crankcase
- Handles stock up to 1½ in. thick. Has built-in sawdust blower

Built strong enough for professional work yet handles the usual run of home-craft jobs easily! It's actually an \$18 value! Scroll sawing, jig sawing, pattern making, toy building, and many similar types of work can easily be handled by this husky machine! And if you want to saw copper or aluminum as well as wood—go ahead! With the proper blades you can handle light metals easily!

The finely balanced mechanism runs in a bath of oil, just like your automobile engine. Sturdy new type jaws accommodate practically all kinds of jig saw blades. Fully enclosed coil type spring—no blade whip! Frame is very strong and rigid, with the base extending the entire length of the machine to give firmer and more solid support. Notice the weight! It's especially important in jig saw operation! The rigid frame . . . the expensive modified Scotch Yoke action . . . and the machine's great weight—all mean MUCH smoother and more accurate performance. Large 10x10-inch table tilts any angle to 45° (see small view above). Table is supported on double pivots for greater firmness and rigidity; quickly and easily locked at any angle; scale shows angle of tilt. Saw is equipped with adjustable hold-down for work and guide for blade. Shpg. wt., 45 lbs. 99 PT 2255—**COMPANION** Jig Saw.....\$11.95

## EASY TERMS

On orders of \$10.00 or more.  
Buy on Sears Easy Terms. See  
inside front cover for details.

## SPECIFICATIONS

	99 PT 2259	99 PT 2255
Over-all Height	14 in.	17 in.
Over-all Width	9 in.	10½ in.
Over-all Length	17 in.	24¼ in.
Depth of Cut (Maximum)	1 in.	1½ in.
Depth of Throat	11 in.	15 in.
Table Size	9 x 9 in.	10 x 10 in.
Speed	600 to 800 R.P.M.	600 to 800 R.P.M.
Motor	¼-H.P., 1750 R.P.M.	½-H.P., 1750 R.P.M.
Machine Pulley Supplied	4 in.	4 in.
Motor Pulley Recommended	1½ in.	1½ or 2 in.
Recommended Mounting	Wood stand, 99PTM2749, or work bench, 99PTM2721	Wood stand, 99PTM2749, or work bench, 99PTM2721
Mounting Dimensions	5½ x 3¾ in.	4x20¾ in.

## SPECIFICATIONS

Over-all Height	22 in.
Over-all Width	14½ in.
Over-all Length	37 in.
Depth of Cut	2 in. (Max.)
Depth of Throat	24 in.
Bearings	Bronze
Table Size	14 x 14 in.
Table Size, With Extensions (Extensions not supplied.)	18 x 25½ in.
Speeds	4; 600, 900, 1200 and 1500 R.P.M.
Motor	99PT5620 or 99PT1955 ½-H.P. 1750 R.P.M.
Machine Pulley Supplied	4-step cone (Special)
Motor Pulley Supplied	4-step cone (Special)
Recommended Mounting	Machine stand, 99PTM2745
Mounting Dimensions	30½ x 7¾ in.

# CRAFTSMAN

REG. U. S. PAT. OFF.

## OUR FINEST JIG SAW SMOOTH . . VIBRATIONLESS



**\$28<sup>50</sup>**

Less Motor

**\$37.95**

With Motor

## FULL 24-INCH CAPACITY

- NEW ball crank and screw mechanism adjusts spring tension on blade
- NEW tool light on upper arm floods table with light. Ideal for close work
- Cuts to center of a 48-inch circle. Handles work up to 2 inches thick
- Extra large, 14-inch square table, mounted on TWO trunnions, front and rear

Into this great tool, we've built every worthwhile feature known to the power tool industry! It actually has features you'll find in no other jig saw at ANY price!

A marvel of smooth, easy operation on the heaviest production work! Perfectly balanced modified Scotch yoke action. Mechanism is completely enclosed—runs in bath of oil. Oil pump forces oil to top of crank case so bearings and operating parts are flooded with oil. Shaft and upper chuck spindle run in self-lubricating bronze bearings. Table tilts any angle to 45 degrees. Upper arm is removable, or may be pivoted. Chuck jaws and roller

type blade guide can be shifted to 90° to handle long work. Hold-down guide can be mounted under table for saber sawing. Universal chuck takes all types of blades. Mechanically it's as close to perfection as we can make it. Give it your hardest jobs. With 4-step drive pulley, 4-step motor pulley and belt.

99 PTM 2276—CRAFTSMAN Jig Saw, without motor. Shpg. wt., 105 lbs. \$28.50

99 PTM 2338—As above, with COMPANION ½-H.P. ball bearing 110-120 volt, 60-cycle A.C. motor. Shipping weight, 135 pounds. \$37.95

9 PT 2332—Special lower jaw for files below. Shpg. wt., 6 oz. 79c

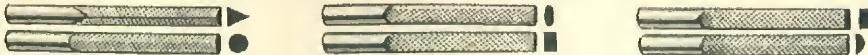


Table Extension Set

The table extensions increase the table size of your CRAFTSMAN 24-in. Jig Saw to 18x25½ inches, and allow you to really utilize the large capacity of the tool. You'll find the rip fence very useful in handling straight cuts.

The set consists of front extension, 14x4 in.; two side extensions, each 18x5¾ in.; and long rip fence, bars and necessary fittings. Front extension is gray iron, ground and finished. Side extensions are steel. Shipping weight, 14 pounds.

9 PT 2278—Complete set.....\$7.65

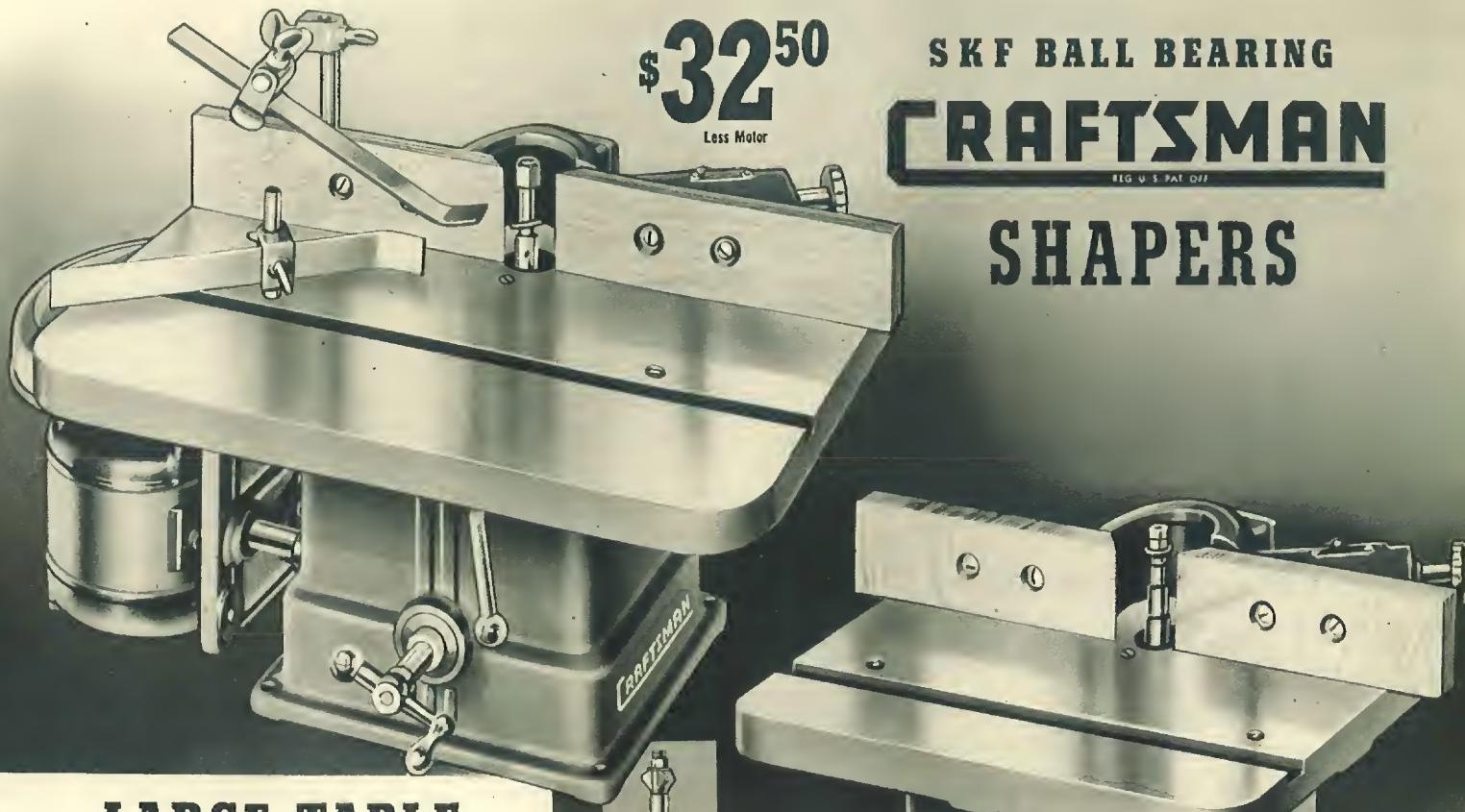


### Machine Files for Jig Saw Use

A special lower jaw (listed above) can be purchased for using these files on the CRAFTSMAN Jig Saw. Eliminate tedious hand filing. These files have 5/16-inch shanks. Shipping weight, each, 1 ounce.

9 PT 2737—3 Square File.....45c | 9 PT 2739—Crochet File.....45c | 9 PT 2741—Square File.....45c

9 PT 2738—Round File.....45c | 9 PT 2740—Pillar File.....45c | 9 PT 2742—Half Round File.....45c



## LARGE TABLE TAPERED SPINDLE

- Deep groove SKF ball bearings for long life
- Fixed spindle construction assures smoothness at high speeds. Tapered spindle design makes tool much more versatile
- Large 15x21-in. table for easier operation
- Guard covers motor pulley and belt; keeps out sawdust. Built-in motor mount and spring hold-downs included

One of the finest tools of its kind! Big—sturdy—accurate—dependable! Top-notch work requires a maximum of spindle speed. This is necessary in order to cut smoothly and rapidly at all possible angles to the grain of the wood. Sears CRAFTSMAN shapers meet this need for very high speeds by mounting the spindle and bearing assembly solidly in the frame! Instead of moving the spindle and bearing, the table moves up and down to adjust cutter height! The bearings are backed up by a large mass of gray iron which will rapidly carry away any heat which may develop from the normal operation of these bearings at high speeds. CRAFTSMAN shapers will actually turn as high as 12,000 R.P.M. smoothly and easily!

The tapered spindle pictured above at right is an important development. Spindle is tapered to take any one of three different adapters listed below. Shaper is supplied with  $\frac{1}{2}$ -in. size adapter. Adapter mounts on spindle and is locked in place by knurled collar. This permits you to use a wide variety of cutters and keeps the cutter close to the upper bearing, insuring smooth, vibrationless operation. See detailed specifications in table at right. With 32-in. belt and 4-in. motor pulley, motor mounting and hold-downs. Less motor. Shpg. wt., 105 lbs.

**99 PTM 2309**—De Luxe Shaper.....\$32.50

**Adapters for CRAFTSMAN DeLuxe Shaper.** Also fit CRAFTSMAN drill presses. Not for CRAFTSMAN shaper at right. To mount adapter on tapered spindle, the knurled collar is removed and adapter is placed on spindle. Then collar is replaced and locks adapter in place. Shipping weight, each, 6 ounces.

9 PT 2434—Adapter for  $\frac{5}{16}$ -in. bore cutters....\$1.25  
9 PT 2435—Adapter for  $\frac{1}{2}$ -in. bore cutters.....\$1.25  
9 PT 2437—Adapter for sash cutter below.....\$1.25

**Sash Cutter.** To be used on the CRAFTSMAN DeLuxe Shaper with the adapter 9PT2437 above.  
9 PT 2438—Shpg. wt., 4 oz.....\$1.45

**\$32<sup>50</sup>**  
Less Motor

SKF BALL BEARING

**CRAFTSMAN**

REG U. S. PAT. OFF

**SHAPERS**



SEE PAGE 32 FOR  
SHAPERS, CUTTERS  
AND COLLARS

**\$21<sup>95</sup>**

## STANDARD TABLE THREADED SPINDLE

- Fixed spindle design; table adjustable
- Bevel gears raise table for adjusting cut
- Deep-groove SKF ball bearings for long life
- Shaper fence designed for maximum safety

Built to same fine standards as DeLuxe model at left, only not so large or with as many special features. Has same fixed spindle construction for smoother, faster, more accurate performance. Table is raised and lowered to adjust work to cutter height.

Table is moved by means of gears and raising screw. A  $2\frac{3}{4}$ -inch diameter column carries table in its vertical movement and a smaller rod prevents side movement. Large, co-ordinate type wedges lock table in any position that is desired.

Table has slot for miter gauge, and tapped holes for starting pins and holdown studs. Table insert is removable for drum sanding. One side of fence may be moved in or out for jointing operations. Fence depth scale is graduated from 0 to  $\frac{1}{2}$  inch in  $\frac{1}{16}$ -in. divisions. Screw feed is controlled by a convenient hand knob. May be locked in any desired position. Graduated scale shows depth of cut. With belt and motor pulley. Shipping weight, 85 pounds.

**99 PTM 2308**—Standard Shaper.....\$21.95

### SPECIFICATIONS

99 PTM 2308	99 PTM 2309
Over-all Height 13 $\frac{3}{4}$ in. (Min.) 16 $\frac{1}{2}$ in. (Max.)	16 in. (Min.) 19 in. (Max.)
Over-all Width 23 in., less motor	28 in., with motor
Over-all Length 16 in.	16 in.
Cutter Height (Maximum) 1 in.	1 in.
Cutter Bore $\frac{1}{2}$ in. and $\frac{5}{16}$ in.	$\frac{1}{2}$ in. Adap- tors available for $\frac{5}{16}$ in. and sash cutters.
Bearings 2; SKF ball	2; SKF ball
Table Size 15x11 in.	21x15 in.
Spindle $\frac{3}{4}$ -in. diam. Threaded for $\frac{1}{2}$ and $\frac{5}{16}$ in. bore cutters	$\frac{3}{4}$ -in. diam. Modified No. 2 Morse taper
Speed Recom- mended 8,000 R.P.M.	8,000 R.P.M.
Motor Recom- mended 99 PT5587 $\frac{1}{2}$ -H.P., 3450 R.P.M.	99 PT5587 $\frac{1}{2}$ -H.P., 3450 R.P.M.
Machine Pulley Supplied 1 $\frac{1}{4}$ -in.	1 $\frac{1}{4}$ -in.
Motor Pulley Supplied 4-in.	4-in.
Recommended Mounting 99 PTM 2789, stand	99 PTM 2789, stand
Mounting Dimensions (From center of holes in base)	10x8 $\frac{3}{4}$ in.
	10x8 $\frac{3}{4}$ in.

TOP VIEW SHOWING  
DOUBLE GUARD CON-  
STRUCTION USED ON THE  
CRAFTSMAN JOINTER-PLANER

**\$23.50**

99 PTM-2290



**\$14.95**

99 PTM 2287

## RUGGED JOINTER- PLANERS

BUILT FOR ACCURACY

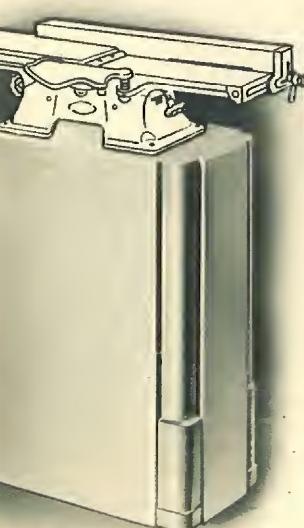
### COMPANION 4 1/4-IN. BRONZE BEARING

- 4 1/4-in. steel cutter head. Balanced for smoothness at high speeds
- 3 high carbon steel cutters that keep their tempered sharpness
- Tables finish-ground after assembly on base for absolute accuracy
- Extra-large auto-lubricating bronze bearings for longer life

This powerful heavily built 4 1/4-in. machine with solid steel head is far superior, to the lighter tools of a similar size. In fact we know of no other jointer selling for less than \$20.00 which has a solid steel head!

The tables are ground to a fine finish after assembly to insure the greatest degree of accuracy. They operate on carefully machined ways that guarantee perfect relationship of both tables for all depths of cut. Each table is 10 1/8 in. long—over-all length, 24 in. Both front and rear tables are fully adjustable. Screw feed control for depth of cut has depth of cut scale for easy, accurate adjustment. Oversize 4 1/4-in. steel cutter head easily handles 4-in. lumber in the rough. Knives are locked in place with gib plates and set screws tapped through the head itself. Guard never need be removed even for rabbeting. Can easily be lowered and swung under the rabbeting ledge out of the way. New fence regulating mechanism with graduated scale permits quick adjustments for angle cuts. Net weight, 38 lbs.

99 PTM 2287—Shipping weight, 44 pounds.....\$14.95



### COMPANION Machine Stand

An ideal stand for any of the jointer-planers on these two pages. Entirely new! Modern streamlined design! Fully enclosed! Rugged heavy gauge steel construction for maximum rigidity and freedom from vibration. Has convenient snap door in front. If an under drive is desired for a tool, it can easily be accomplished by mounting a wooden shelf inside the cabinet and mounting the motor on it. Full instructions are furnished. Top is 12x26 in. 31 in. high. Blue finish. Shpg. wt., 49 lbs.

99 PTM 2790  
Stand Only.....\$7.95

ON CREDIT!  
10% OR MORE  
SEE INSIDE  
FRONT COVER  
*Easy  
Terms!*

### SPECIFICATIONS

	99 PTM 2287	99 PTM 2290
Over-all Height	8 1/2 in.	8 1/2 in.
Over-all Width	9 7/8 in.	12 in.
Over-all Length	24 1/4 in.	28 1/2 in.
Width of Cut	4 1/4 in.	4 1/4 in.
Depth of Cut	1/8 in.	1/16 in.
Rabbett Depth	1/8 in.	1/8 in.
Bearings	2; bronze	2; SKF ball
Length, Front Table	10 1/4 in.	12 in.
Length, Rear Table	10 1/4 in.	12 in.
Length, Fence	17 3/8 in.	20 1/2 in.
Cutter Head Material Knives Size	Steel High carbon 4 1/4 x 3 1/4 x 1/8 in.	Steel High speed 4 1/4 x 3 1/4 x 1/8 in.
Speed	3600 R.P.M.	3600 R.P.M.
Motor Required	1/2 or 1/2-H.P. 1750 R.P.M.	1/2 or 1/2-H.P. 1750 R.P.M.
Machine Pulley Supplied	2 in.	2 in.
Motor Pulley Recommended	4 in.	4 in.
Recommended Mounting	Metal stand, 99 PTM 2790	Metal stand, 99 PTM 2790
Mounting Dimensions	12 1/2 x 5 7/8 in.	12 1/2 x 5 7/8 in.

### CRAFTSMAN 4 1/4-IN. BALL BEARING

- Solid steel 4 1/4-inch cutter head runs in accurately fitted SKF ball bearings that are fully enclosed to keep out dirt
- Extra long tables give better support to work. Full 28 1/2 inches long over all—for greater accuracy and for finer work
- Two guards—one on each side of the fence—keep the cutter head covered regardless of position of fence and give extra safety

Compare the CRAFTSMAN jointer-planer with those selling for 20% more elsewhere! You'll find it actually **surpasses** them in quality—accuracy—and convenience of adjustments! It has all the fine features of the COMPANION jointer-planer at left, PLUS SKF ball bearing construction, much longer tables, improved fence, and double acting guards. It's bigger and heavier—built for years of accurate service.

The precision ball bearing construction means smoother operation and longer life. The tables are longer than we have ever offered in any other 4 1/4-in. jointer! Three high speed steel cutters keep their keen edges for surprisingly long periods under hardest use. Double guard construction means that cutter head is always covered, regardless of fence position. This means greater safety at all times. Guard can be lowered and swung under rabbeting ledge. Depth of cut easily adjusted and shown on accurate scale.

Position and angle adjustment of fences operate independently of each other. Entire fence and tilting mechanism may be moved sideways across the table without affecting angle. Carefully ground adjustable tables slide on ways that are machined to close limits for permanent accuracy. Rugged gray iron frame is carefully designed, machined, finely finished, and exceptionally strong and rigid for years of trouble-free service. Shipping weight, 51 pounds.

99 PTM 2290—Without motor.....\$23.50

99 PTM 2293—Same as above but with 1/3-H.P. 110-volt 60-cycle ball bearing motor, 99 PT 5620, shown on Page 39. Shipping weight, 81 pounds.....\$33.00

### 4 1/4-Inch Jointer Knives

Fine quality high speed tool steel blades, ground to a keen, long lasting edge. Set of three for either jointer-planer on this page. Shipping weight, 7 ounces.

9 PT 2291.....\$2.00

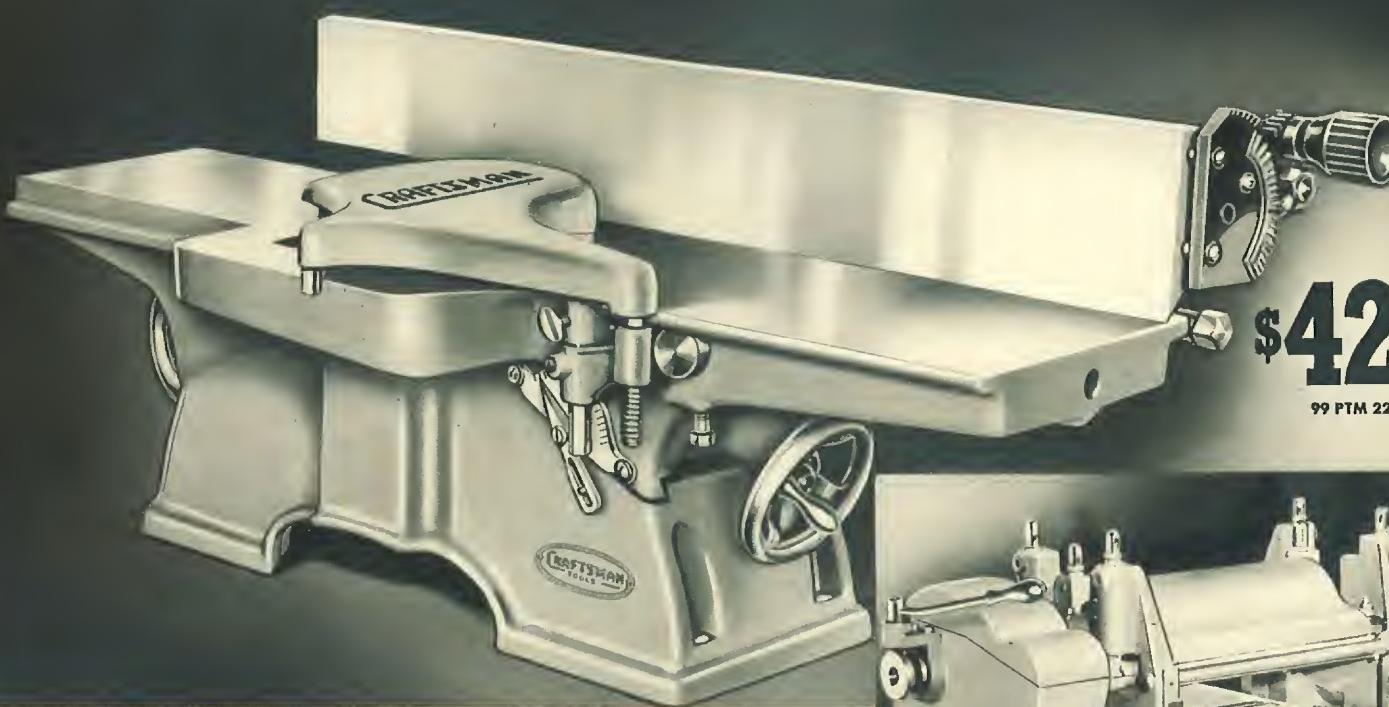


# CRAFTSMAN

REG U.S. PAT OFF

6-INCH  
HEAVY DUTY

# JOINTER-PLANER



**\$42<sup>50</sup>**

99 PTM 2288

## SKF BALL BEARINGS

- Heavy SKF ball bearings enclosed in dustproof housings
- Solid steel cutter head: diameter, 2½ inches; 6 inches wide
- 3 high speed steel knives. Maximum depth of cut, ½-inch
- Extra long tables, 37 in. over-all; ground for perfect alignment

Here's one of the biggest, finest and most accurate power tools of its kind money can buy. Just look at the size—it's actually over 3 feet long. Built for heavy duty . . . for high speed . . . for precise, letter-perfect workmanship. The rugged, carefully ground tables are controlled by conveniently located hand wheels and slide on dovetailed ways for permanent accuracy. Heavy duty enclosed SKF ball bearings insure smoothest possible operation. Cutter head is made of solid steel, 6 inches long, 2½ inches in diameter, with knife slots ground in the shape of inverted wedges to assure accurate and positive locking of knives; approved round safety type.

The geared-type tilting fence is 28 inches long and 4 inches high—can be moved as a unit across table without changing its angle. The large quick-acting guard that keeps cutter head covered need never be removed, even for rabbeting. Protractor gauge accurately indicates depth of cut at all times. The movement of table is magnified by pointer, thus insuring accuracy. Rugged heavy gray iron frame has accurately machined dovetailed ways.

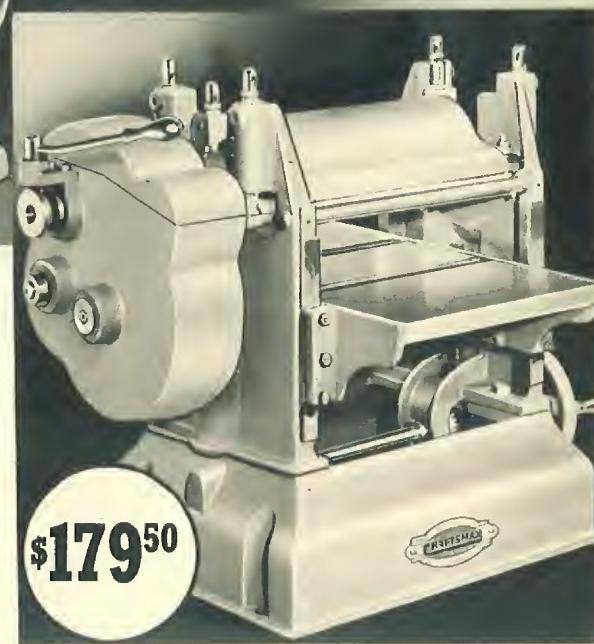
**99 PTM 2288**—CRAFTSMAN 6-Inch Heavy Duty Jointer-Planer complete with geared fence, high speed steel knives, pulley, motor pulley and belt. Shipping weight, 160 lbs. Without motor.....\$42.50

**99 PTM 2295**—Same as above with 99 PT 5587 ½-H.P. condenser motor listed on Page 38. Shipping weight, 195 lbs....\$59.00

### Jointer Knives

Made of finest quality high speed tool steel. Accurately ground—hold keen edge longer. Set of 3 for jointer-planer 99 PTM 2288. Shipping weight, 4 ounces.

**9 PT 2292**.....\$3.35



**\$179<sup>50</sup>**

## CRAFTSMAN THICKNESS PLANER

- Handles lumber up to 4x12 inches
- Precision New Departure ball bearings
- Feed rolls are machined from solid steel
- Full 3¼-inch diameter steel cutter head

One of the finest tools in this entire catalog! Built for steady day in and day out service. Not a joinder—but a regular thickness planer that easily handles big production jobs in shops and mills!

Will plane material up to 12 in. wide and 4 in. thick—and as small as 6 in. long and  $\frac{1}{16}$  in. thick. Heavily ribbed table is fitted to main frame by machined ways. Frame is heavy, well ribbed one-piece casting . . . absolutely free from vibration. Adjustment for depth of cut made with convenient hand wheel. Scale shows depth of cut.

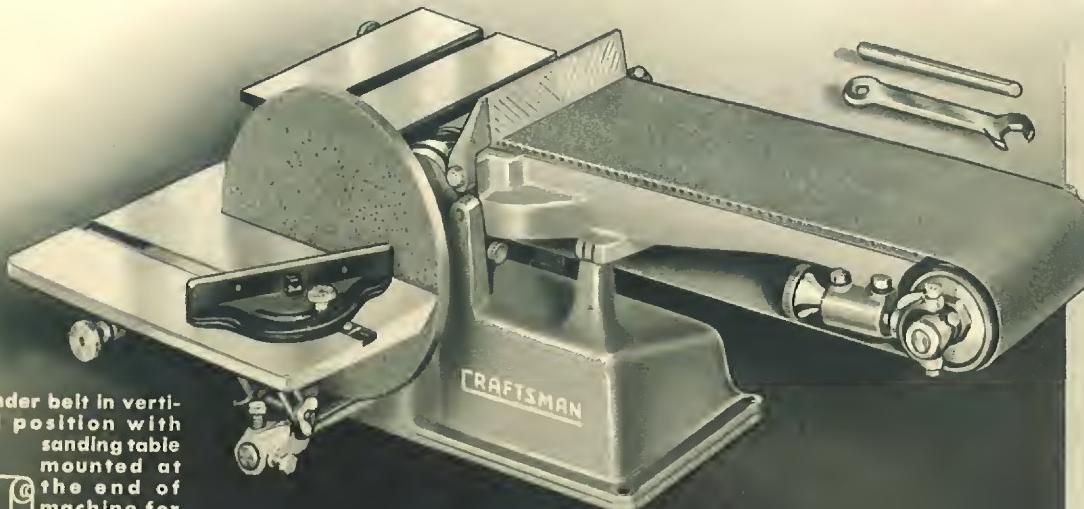
Front in feed roll fluted to insure positive feed. Gear box equipped with cut gears fully lubricated for a lifetime of service. Pressure rolls have compression springs, conveniently adjusted. Chip breaker and pressure bar completely guard head and feed rolls. Gibs provided to assure accurate alignment of table to head. Safety-type steel cutter head, 3 inches in diameter, is fitted with 3 high-speed knives. Motor requirements vary from  $\frac{3}{4}$  to 2-H.P., 1750 R.P.M., depending on depth and width of cut, kind of wood, etc. We recommend 7-inch motor pulley to get proper speed of 4000 R.P.M. Over-all dimensions: 23 in. high; 20 in. long; 31 in. wide. Shipped from factory in southern Ohio, and you pay freight from there.

**99 PTM 2349F**—Shipping weight, 290 lbs...\$179.50

**Easy Terms!**  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

TURN OUT BETTER  
WORK FASTER WITH A

# BELT AND DISC SANDER



Sander belt in vertical position with sanding table mounted at the end of machine for use as a vertical sander



## COMPANION BELT AND DISC SANDER

**\$14<sup>95</sup>**

- Belt sander mounts horizontally, vertically, or at any angle, for all kinds of work
- Disc sander table tilts any angle up to 45° enabling you to sand mitered edges accurately
- Extra long auto-lubricating bronze bearings filter oil and keep out dust and dirt

We've carefully compared its features and construction—and honestly believe this **COMPANION** sander is superior to similar tools selling for up to \$20.00 elsewhere! Takes the work out of sanding—usually one of the most tedious jobs in woodworking. **Practical operators say they start the sander twice as often as any other tool in the shop!**

Rugged, long-life construction throughout! 8-inch sanding disc and table may be used either on right or left of belt sander, permitting tool to be mounted on either end of bench. Disc sander and table are easily removed to clear large work on belt. The disc sander finishes curved work, end grains, etc., which cannot be reached by the belt sander alone. With miter gauge, adjustable stop guard, 8-in. abrasive disc and 4x36 in. sanding belt.

**SPECIFICATIONS**—Over-all height, 10½ in. with belt in horizontal position. Over-all width, 11¼ in. Over-all length, 23 in. Diam. of disc, 8 in. Size of belt, 4x36 in. 4 auto lubricated bronze bearings. Size of disc sander table, 8¾ x 5¾ in. Size of belt sander table, 8¾ x 6¾ in. Drum diam., 3 in. Speed, 1400 R.P.M. Machine pulley supplied, 2½ in. Motor pulley recommended, 2 in. Mounting dimensions, 6¾ x 10½ in. Use ¼ or ½-H.P. 1750 R.P.M. motor. Shpg. wt., 42 lbs. 99 PTM 2213—COMPANION Belt and Disc Sander ..... \$14.95



**Abrasive Discs**

Package of 6 assorted (fine, medium, coarse) for 99 PTM 2213. Shpg. wt., 8 oz.  
9 PT 2216—Garnet abrasive ..... 35c  
9 PT 2217—Aluminum oxide abrasive for use on metal or wood ..... 39c



**Abrasive Belts**

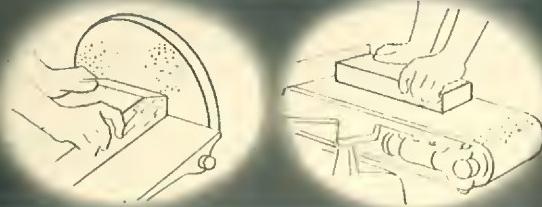
For 99 PTM 2213 above. Fine, medium or coarse. State grit. Shpg. wt., 4 oz.  
9 PT 2218—Garnet abrasive for wood. Each ..... 35c  
9 PT 2215—Aluminum oxide abrasive for use on metal or wood. Each ..... 35c

**Abrasive Discs**

Package of 6 assorted fine, medium and coarse aluminum oxide sanding discs for use on 99 PTM 2166 CRAFTSMAN Belt and Disc Sander listed above. For use on wood or metal. Shpg. wt., 8 oz.  
9 PT 2156—Package of 6 ..... 45c

## SPECIFICATIONS

For 99 PTM 2166	
Over-all Height	11 in.
Over-all Width	20 in.
Over-all Length	27 in.
Diam. of Disc	9 in.
Size of Belt	6 x 48 in.
Bearings	4; bronze
Size, Disc Sander Table	5¾ x 12 in.
Size, Belt Sander Table	6½ x 17½ in.
Size, Table at End of Belt	5½ x 8½ in.
Drum Diameter	3 in.
Speed	1200-1600 R.P.M.
Motor Required	½-H.P. or ¾-H.P., 1750 R.P.M.
Machine Pulley Supplied	2½ in.
Motor Pulley Recommended	2 in.
Recommended Mounting	99 PTM 2790, Metal stand
Mounting Dimensions	6½ x 10½ in.



## CRAFTSMAN BELT AND DISC SANDER

**\$19<sup>95</sup>**

- Extra capacity! Heavy duty construction
- 6-in. belt sander mounts horizontally, vertically, or at angle for handling different jobs
- Disc sanding table tilts any angle up to 45°
- Heavy duty auto-lubricating bronze bearings
- Equipped with auxiliary belt sander table

Has all the outstanding features and operating advantages of our **COMPANION** sander at left! But even more, it is bigger and heavier and stronger, with many additional features and refinements! The 6-inch wide belt and the 9-inch disc provide the needed extra capacity for the big jobs in home workshops or large industrial plants!

One of the handiest tools in your entire shop! It can cut so much faster than hand sanding that it actually will do part of the work you ordinarily would do with other machines. Particularly useful for fitting and assembling jobs.

This sander has three tables. The added belt sander table at end of belt gives extra support for long work—makes possible the use of belt sander in vertical position without shifting tables. The belt sander table is full 6½x17½ in. providing ample support for larger pieces. Sanding belt rollers are rubber covered and may be used like drum sanders. The extra-long, auto-lubricating bronze bearings filter the oil and keep out dust and dirt. The disc sanding table has a miter gauge, and tilts any angle up to 45 degrees. This makes it possible to sand mitered edges easily and accurately.

The sanding disc and table may be used either on right or left side of sander and can be easily removed to clear long work on belt. Quick-acting belt adjustments make belt run true between drums. Complete with miter gauge, adjustable stop guard, 9-inch abrasive disc and 6x48-inch sanding belt. Shipping weight, 70 pounds.

99 PTM 2166—CRAFTSMAN Belt and Disc Sander ..... \$19.95



**Abrasive Discs**

**Abrasive Belts**

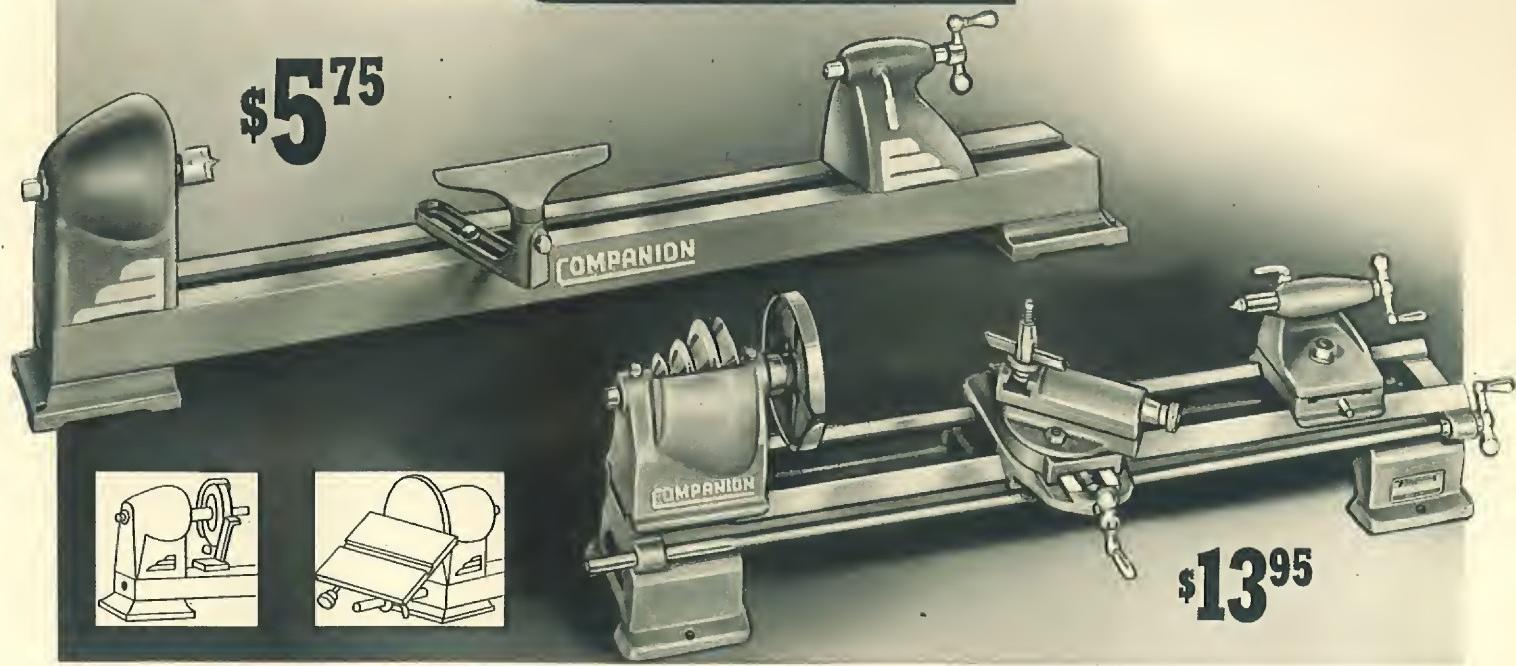
For 99 PTM 2166 CRAFTSMAN Belt and Disc Sander above. Fine, medium or coarse. State grit wanted. Aluminum oxide, for use on wood or metal. Shipping weight, 8 ounces. Each ..... 75c

STURDY  
SMOOTH RUNNING

# COMPANION LATHES

REG. U. S. PAT. OFF.

\$5<sup>75</sup>



\$13<sup>95</sup>

## WOOD TURNING . . . 8x38 INCHES

- Double bearing heavily built headstock enclosed for extra safety
- Two high quality auto-lubricating bronze bearings for long life
- 8-inch swing—27 inches between centers—38-inch bed
- Has three speeds—easily handles a large variety of work

New! Never before have we offered a lathe of this quality and capacity at anywhere near this price! Just notice the SIZE—a full 38-inch bed! And notice that it has an enclosed, streamlined headstock like our bigger and higher priced lathes! It's far superior to any other lathe in this price range!

It will actually handle work up to 27 inches between centers and up to 8 inches in diameter. All parts are carefully machined and fitted. The auto-lubricating bronze bearings assure smooth operation and long life. Ball thrust bearing absorbs spindle thrust. Finely machined  $\frac{5}{8}$ -inch spindle projects for outboard turning. Extra-large oil reservoirs assure positive lubrication. Over-all height,  $9\frac{1}{4}$  in. Over-all length, 40 in. Over-all width,  $4\frac{1}{2}$  in. Complete with 6-inch tool rest, cup and spur centers as illustrated. Use  $\frac{1}{4}$  or  $\frac{1}{3}$ -H.P. motor (see Pages 38 and 39) and 9 PT 2788 motor pulley, listed at right. Shipping weight, 22 lbs.

99 PT 2051—COMPANION Wood Turning Lathe.....\$5.75

**Lathe Grinding Attachment.** Shown in left inset above. Fits spindle and bed on 99 PT 2051 lathe, above. Use it for all kinds of grinding. Includes guard, tool rest, arbor to fit on spindle, 4x $\frac{3}{8}$ -inch grinding wheel, clamps, etc.

9 PT 2011—Shipping weight, 1 pound 10 ounces.....\$1.45

**Lathe Sanding Attachment.** Shown in right inset above. Do accurate and thorough sanding. Consists of tilting table and clamps for use on lathe above. Use with sanding disc 9 PT 2158 below.

9 PT 2214—Shipping weight, 6 pounds 8 ounces.....\$2.75

Easy  
Terms!  
ON ORDERS OF  
100 OR MORE  
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FRONT COVER

## METAL TURNING . . . 6x28 INCHES

- 28-inch V-way bed . . . 6-inch swing . . . 18 inches between centers
- Double bearing headstock has highest quality bronze bearings. Front bearing fully adjustable
- Removable No. 0 Morse taper centers in head and tailstock
- Compound rest, fitted with adjustable gibbs and lock
- Full length feed screw gives smooth finish on long pieces

A fine tool for the model maker or for the man who wants to do light metal work. Not as accurate as our large metal working lathes but entirely adequate for most work. The many adjustments make it possible to secure much more accurate work than has ever been possible with this type of lathe.

Spindle is threaded  $\frac{1}{2}\times 24$  threads per inch. Knock-out centers in headstock and tailstock. Lead screw provided for longitudinal feed of carriage. Compound rest travel,  $3\frac{1}{2}$  in.; cross slide travel,  $1\frac{1}{2}$  in. Tailstock may be set over for turning tapers. Cross feed and angular feed are gibbed for take-up. Use  $\frac{1}{4}$  or  $\frac{1}{3}$ -H.P. motor (see Pages 38 and 39). Over-all dimensions: height,  $8\frac{1}{2}$  in.; length,  $28\frac{1}{2}$  in.; width, 8 in. Shipping weight, 28 pounds.

99 PT 2021—COMPANION Metal Working Lathe.....\$13.95

9 PT 2788—3-step motor pulley. Specify  $\frac{1}{2}$ -inch bore. Shpg. wt., 1 lb....50c  
9 PT 2137—3-in. 4-jaw independent chuck. Shipping weight, 3 pounds....\$3.75  
9 PT 2108—No. 0 Morse taper spur center. Shipping weight, 3 ounces....49  
9 PT 2109—No. 0 Morse taper cup center. Shipping weight, 3 ounces....49  
For tool bite see 9 PT 2205, Page 21; sanding disc, 9 PT 2525, on Page 25.

**Jack Shaft for Model Makers' Lathe.** Metal turning should be done at much slower speeds than wood turning. Use this handy jack shaft to secure proper slow speeds for metal work. Complete with bronze self-aligning bearings.

9 PT 2494—Specify 3-in. 3-step pulley. Shipping weight, 7 pounds....\$2.65

## ACCESSORIES FOR WOOD TURNING LATHES



### Face Plates

For number 99 PT 2051 or any other lathe with  $\frac{5}{8}$ -in. plain spindles. Be sure to check spindle size before ordering.

(A) 9 PT 2030—3-in. Shipping weight, 7 ounces.....85c

(B) 9 PT 2081—6-in. Shipping weight, 14 ounces.....\$1.20

### Spur Center

(C) For 99 PT 2051 or any other lathe with  $\frac{5}{8}$ -in. spindles. Removable center. Check spindle size. Shpg. wt., 6 oz.....65c

### Cup Center

(D) Carefully made. For tailstock of lathe. Replaceable center pin. Fits any  $\frac{5}{8}$ -in. spindle. Check spindle size. 9 PT 2102—Shipping wt., 6 oz.....65c

### Work Arbor

(E) Fits  $\frac{1}{2}$  or  $\frac{5}{8}$ -in. straight spindle. Fastens on spindle with 2 set screws. Threaded  $\frac{1}{2}\times 24$ -thread. 3-jaw  $\frac{1}{2}$ -in. chuck. State  $\frac{1}{2}$  or  $\frac{5}{8}$ -in. spindle. Check before ordering.

9 PT 2118—Shpg. wt., 1 lb. 10 oz.....95c

### Work Arbor

(F) Same as 9 PT 2118, above, but without chuck. Has finely faced steel collars to clamp grinding or buffing wheel. State  $\frac{1}{2}$  or  $\frac{5}{8}$ -in. spindle. Check before ordering.

9 PT 2120—Shipping weight, 15 ounces.....45c

### 1/2-in. CRAFTSMAN Drill Chuck and Arbor

(G) 3-jaw ground chuck with adapter, for lathes or motors with  $\frac{1}{2}$ -in. or  $\frac{5}{8}$ -in. straight spindles. Arbor is  $\frac{1}{2}$ -in. x 24-thread. State  $\frac{1}{2}$  or  $\frac{5}{8}$ -in. spindle. Check before ordering.

9 PT 2140—Shpg. wt., 1 lb. 6 oz.....95c

### 3-Jaw Chucks

Accurately machined to run true. Nicely finished. Superior to ordinary chucks. Fit  $\frac{1}{2}$ -inch 24-thread per inch spindles. Check before ordering.

(H) 9 PT 2130— $\frac{1}{2}$ -inch capacity.....29c

(I) 9 PT 2132— $\frac{1}{2}$ -inch capacity.....55c

(J) 9 PT 2134— $\frac{1}{2}$ -inch capacity. Ground finish. Shipping weight, 1 pound.....75c

(K) 9 PT 2136— $\frac{1}{2}$ -inch capacity. Ground finish. Shipping weight, 1 pound.....75c

### Drum Sander

(L) Accurately made. Complete with sleeve and adapter. Fits  $\frac{1}{2}$ -in. x 24 threaded shaft. 3 in. long.  $2\frac{1}{4}$  in. diam. To put on new sleeve, just loosen adapter nut. Shpg. wt., 12 oz.....95c

(M) 9 PT 2522—Sanding sleeve for above drum. Fine, medium or coarse. State grit wanted. Shpg. wt., 2 oz. Each. 10c

### Sanding Discs

(N) Carefully machined and balanced aluminum discs fitted with sandpaper. Fit only  $\frac{5}{8}$ -in. straight spindle. Be sure to check spindle size.

9 PT 2158—6-inch. Shipping weight, 12 ounces.....\$1.25

9 PT 2159—8-inch. Shipping weight, 1 pound.....\$1.75

# COMPANION CONVERTIBLE LATHE

REG. U. S. PAT. OFF.

FOR WOOD OR METAL TURNING



\$14<sup>95</sup>

FACE PLATE WORK IS  
EASY ON THIS LATHE

TURNING TABLE LEGS  
IS FASCINATING WORK



TOOL REST IS DESIGNED  
FOR GREATEST RIGIDITY

## SPECIFICATIONS

Overall Height	10 1/4 inches
Overall Width	7 inches
Overall Length	46 inches
Swing Over Bed	9 inches
Distance Between Centers	30 inches
Spindle Bearings	2 oilite bronze
Thrust Bearings	1 ball bearing
Spindle { Nose Size Taper Hole	3/4 in.; 16 R.H. thread 8 1/4 in. x 3/4 inch No. 1 Morse 5/8 inch
Tailstock Taper	No. 1 Morse
Speeds	4; 700, 1300, 2300, 4000 R.P.M.
Motor Recommended	1/2 H.P., 1750 R.P.M. 99PTM2020 or 99PTM1955
Machine Pulley Supplied	4-step cone
Motor Pulley Recommended	99PTM2792, 4-step cone
Mounting Recommended	99PTM2786, metal lathe stand or 99PTM2721, work bench
Mounting Dimension (Center to center of holes in base)	5 5/8 inches x 40 3/4 inches



## 9-IN. SWING 44-IN. BED

- Bearings on both sides of spindle pulley for perfect spindle support
- Oversize bronze bearings are self lubricated. Sealed against dirt
- No. 1 Morse taper centers in head stock and tail stock
- 4 speeds from 700 to 4000 R.P.M.
- 30 inches between centers

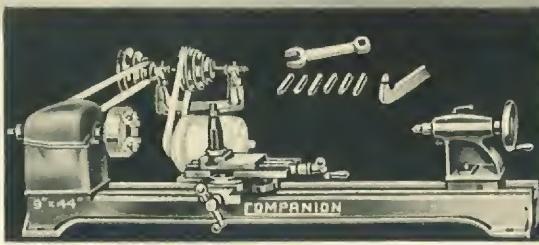
Can't be matched elsewhere at anywhere near this price! Big enough for almost ANY job—and built heavy enough to do metal turning with proper attachments!

The double-bearing mounting of the spindle makes it easy to turn large diameter work on the outside end of the spindle. All bearings are auto lubricated bronze, sealed in a bath of oil. This close, tight seal keeps spindle journals accurate . . . dirt-free. All longitudinal thrust is absorbed by the built-in ball thrust bearing.

Husky 44-inch gray iron bed is built for smooth operation even under heavy cuts. Tail stock may be set over for turning tapers. Massive head stock is designed for easy shifting of belt to desired speed. Indexed head stock makes pulley dividing and fluting easy. Head stock spindle has right hand threads inboard, left hand threads outboard permitting use of face plate 9 PT 2090 on either end without reversing motor. Complete with "V" belt, 8-in. tool rest, and No. 1 Morse taper spur and cup centers. Shipping weight, 60 lbs.

99 PTM 2019—COMPANION Lathe.....\$14.95

Easy Terms!  
ON ORDERS OF  
\$10 OR MORE  
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FRONT COVER

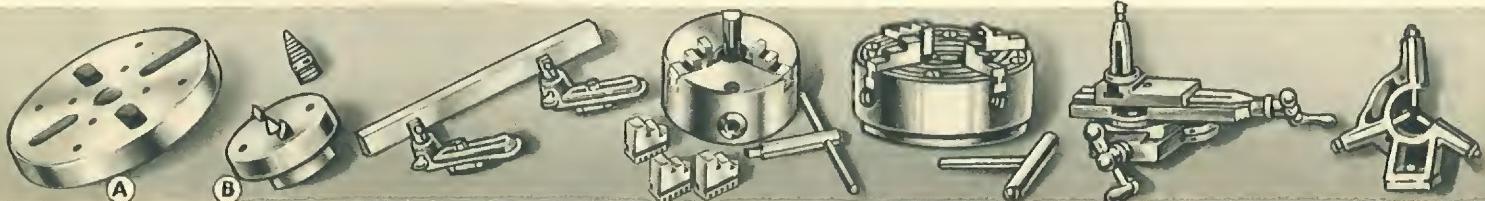


## Complete Metal Working Outfit

Build your metal working shop around this handy outfit! The sturdy construction of the whole lathe makes it suitable for adoption to metal work. Ideal size to handle armature turning and any light metal repair jobs you may wish to do. Easily changed over from metal to wood.

The multiple speed jack shaft provides the slow speeds necessary for smooth, clean cutting in metal. The compound rest adjusts from 0 to 180 degrees angular position. Longitudinal feed is 6 inches and cross feed 5 1/2 inches. The independent 4-jaw chuck will hold round, square or irregularly shaped pieces. Outfit includes our COMPANION 9-in. lathe, compound rest, tool post, tool holder, six tool bits, wrenches, multiple speed jack shaft, 4-in. 4-jaw chuck, belt pulleys, and 60 degree-center. Motor not included. Shipping weight, 93 pounds.

99 PTM 2020—Complete Outfit with Lathe....\$38.50



### High Grade Face Plates

⑨ PT 2090—5 1/4-inch wood or metal working face plate. Threaded for either end of spindle. Fits 3/4-inch threaded spindle as on 99 PTM 2019 lathe, above. Shipping weight, 2 pounds.....\$1.35

⑨ PT 2091—3-inch face plate with spurs, removable center, and screw center. Fits 3/4-inch threaded spindle as on 99 PTM 2019 lathe, above. Shipping weight, 1 lb. 12 oz.....\$1.10

### 18-In. Tool Rest

A great convenience when making long turnings, such as table legs or lamp spindles. Readily adjustable for height. Well machined and nicely finished. Complete with bed brackets. Built for long service. Shipping weight, 7 pounds.

9 PT 2173.....\$2.15

### 3-Jaw Chuck

3-inch diameter; grips round or hexagonal work. All jaws move at once. 2 sets of jaws (inside and outside). Fits 3/4-inch threaded spindle as on lathe 99 PTM 2019, above. Shipping weight, 3 lbs. 8 oz.

9 PT 2152.....\$12.45

### 4-Jaw Chuck

Four husky jaws, each one reversible. Each jaw can be moved by itself. 4-inch diameter. Key and back plate to fit 99 PTM 2019 lathe. Fits 3/4-in. threaded spindle. Shipping weight, 4 lbs. 4 oz.

9 PT 2156.....\$4.95

### Compound Rest

Feed collars graduated to 1/1000 inch. Angular dial graduated to 180 degrees. Transverse feed, 5 1/4-in.; angular or longitudinal feed, 6-in. Precision built throughout. (For tool bits and holders, see Page 21.) Shipping weight, 17 pounds.

9 PT 2168.....\$13.95

### Steady Rest

For supporting extra long work in lathe. Fitted with best quality brass jaws! Very essential when turning long, slender pieces in the lathe. Shipping weight, 4 pounds.

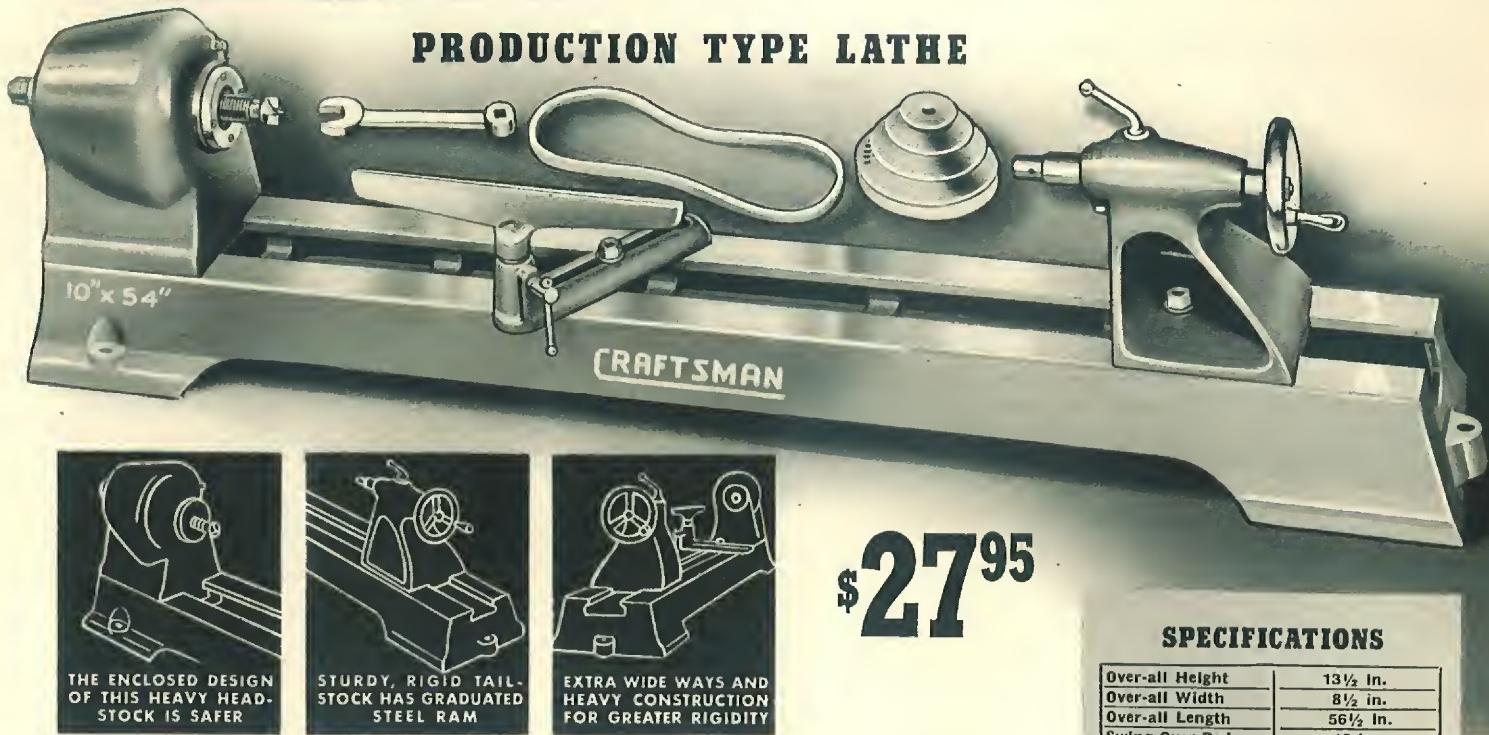
9 PT 2178.....\$3.95

SEE PAGE 18 FOR ADDITIONAL ACCESSORIES

# CRAFTSMAN SKF BALL BEARING

REG U S PAT OFF

## PRODUCTION TYPE LATHE



\$27<sup>95</sup>

## 10-INCH SWING . . . 54-INCH BED

- Heavy gray iron flat-way bed with 1½-inch ways. Total bearing surface 3 inches!
- Two heavy duty **SKF** sealed ball bearings in headstock for smooth accurate operation
- Capacity over 36 inches between centers. Has a full 10-inch swing over the bed
- Great weight makes it readily adaptable for metal turning with proper attachments

This **CRAFTSMAN** production-type lathe is the perfect tool for the master craftsman. Because of its excellence in every detail of construction, it has gained an important place in professional woodworking and pattern shops all over the country. It's built for professional use! That's why it is so popular with both professional and amateurs all over the country.

Check the features . . . the specifications . . . the modern design . . . the weight! See for yourself how far superior this lathe is to *any* you have ever seen in this price range! It has a massive flat-way bed that actually has a total bearing surface of 3 full inches! This allows you to take the heaviest cuts easily. The great weight of the entire lathe insures smooth, vibrationless, accurate operation.

The headstock spindle rotates on precision **SKF** ball bearings, sealed against dirt and abrasive materials. It has a right hand thread inboard

and a left hand thread outboard to allow you to do outboard turning on large pieces without reversing motor or lathe drive. Longitudinal thrust is absorbed by ball bearing. Headstock pulley is indexed so work may be evenly divided or fluted. Headstock pulley and belt are covered to give you additional protection.

The tailstock is fitted with accurately ground steel ram and an automatic knock-out device for easily removing the No. 2 Morse taper centers and arbors. Ram is graduated in  $\frac{1}{16}$ -inch divisions. The headstock and tailstock are fitted with No. 2 Morse taper sockets for removable centers and arbors.

Complete with 4-step motor pulley, V-belt, cup and spur centers, and tool rest. Shipping weight, 115 pounds.

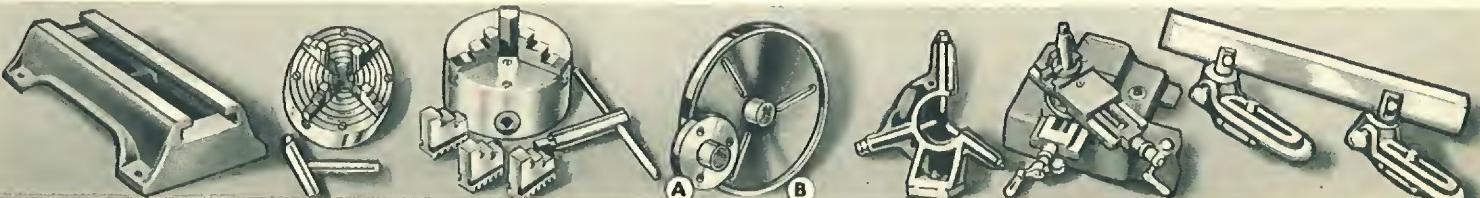
99 PTM 2027 . . . . . \$27.95

### SPECIFICATIONS

Over-all Height	13 $\frac{1}{2}$ in.
Over-all Width	8 $\frac{1}{2}$ in.
Over-all Length	56 $\frac{1}{2}$ in.
Swing Over Bed	10 in.
Dist. Between Centers	36 in.
Spindle Bearings	2 SKF ball bearings
Thrust Bearings	Thrust taken on main bearings
Spindle {	Nose Size Taper Hole
	1 in.; 8 threads, R.H. $\frac{9}{16}$ x 1 $\frac{1}{16}$ in. No. 2 Morse $\frac{3}{8}$ in.
Tailstock Taper	No. 2 Morse
Speeds	4,700, 1,300, 2,300, 4,300 R.P.M.
Motor Recommended	1 $\frac{1}{2}$ or 2 $\frac{1}{2}$ H.P.; 1750 R.P.M. Split phase or condenser type
Machine Pulley Supplied	5-in., 4-step cone
Motor Pulley Supplied	5-in., 4-step cone
Recommended Mountings	99 PTM 2787 stand or 99 PTM 2721 work bench.
Mounting Dimension (Center to center of holes in base)	7 $\frac{1}{2}$ x 51 $\frac{1}{4}$ in.

### EASY PAYMENTS

You can buy all Sears power tools on convenient Easy Terms if your order amounts to \$10 or more. See inside front cover for details.



#### Lathe Bed Extension

A handy accessory for extra long work. 15 in. long. Accurately machined. Rigid construction. Shipping weight 14 pounds.

9 PT 2017—For Lathe 99 PTM 2027, above . . . . . \$2.35

9 PT 2029—For Lathe 99 PTM 2027, above . . . . . \$3.60

#### 4-Jaw Chuck

4-inch diameter. Four reversible jaws move independently of each other. Back plate fits 1-in., 8-thread spindle as on 99 PTM 2027 lathe, above. Shipping weight, 2 lbs. 2 oz.

9 PT 2138.\$4.95

#### 3-Jaw Chuck

Four-inch diameter universal chuck. Accurate self centering, heat-treated jaws. Fits 1-in., 8-thread spindle as on 99 PTM 2027 lathe, above. Shipping weight, 4 lbs. 8 oz.

9 PT 2148.\$14.75

#### Face Plates

Fit 1-in. 8-thread spindle as on lathe 99 PTM 2027 above. ① 9 PT 2085—3 $\frac{1}{2}$  in. Shpg. wt., 2 lbs. \$1.25  
② 9 PT 2086—9 in. Fits either end of spindle. Shipping weight, 3 lbs. 10 oz.

9 PT 2023.\$4.65

#### Steady Rest

For supporting long work in lathe. Handy when turning long, slender pieces. Clamps to lathe bed. Fitted with adjustable brass jaws. Shipping weight, 3 lbs. 10 oz.

9 PT 2049.\$15.75

#### Compound Tool Rest

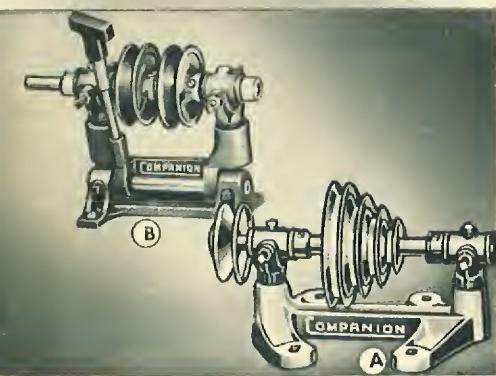
Fits 99 PTM 2027 lathe, above. Dial graduated to 180 degrees; swivels through 360 degrees. Transverse feed, 6 $\frac{1}{2}$  inches; longitudinal feed, 7 $\frac{1}{2}$  inches. Precision built. Without tool holder; see Page 21. Shipping weight, 29 pounds.

9 PT 2095.\$2.95

SEE PAGE 18 FOR CHISELS, ACCESSORIES, CENTERS, ETC.

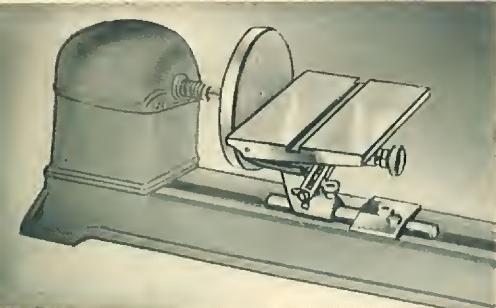
**CRAFTSMAN**

# ACCESSORIES FOR WOOD LATHES

**Jack Shafts for Speed Variation**

Useful on various power tools for changing speeds. Jack shaft is generally used between motor and driven tool. Both types have bronze bushed self-aligning bronze bearings.

(A) Cone Pulley Stand.	Varies speed of tool in certain definite steps. Used with matching cone pulleys.	\$2.65
9 PT 2494—Stand size.		2.75
With 3-inch 3-step pulley.		2.75
With 4-inch 4-step pulley.		2.85
With 5-inch 4-step pulley.		2.85
(B) Variable Speed Stand.	Makes possible a selection of any speed over a broad range. Control knob locks at different speeds. Shipping weight, 6 pounds.	\$3.75
9 PT 2496.....		

**Sanding Attachment**

For perfect sanding jobs. Rugged table is firmly mounted on lathe bed. May easily be tilted to any angle. Sanding disc not included (see below). Shipping weight, each, 9 pounds.

Catalog No.	For Lathe	Price
9 PT 2250	99 PTM 2019 on P. 16	\$2.95
9 PT 2096	99 PTM 2027 on P. 17	2.95

**8-Inch Sanding Discs.** Threaded to fit lathe spindles. Shipping weight, each, 2 pounds.

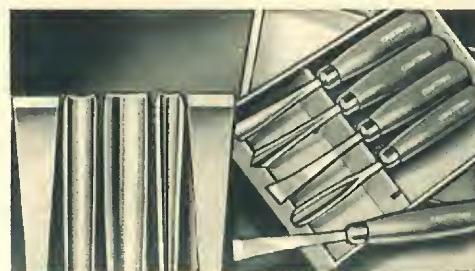
Catalog No.	For Lathe	Price
9 PT 2160	99 PTM 2019 on P. 16	\$2.20
9 PT 2162	99 PTM 2027 on P. 17	2.20

**BALANCED TURNING CHISELS****PROFESSIONAL TURNING CHISELS**

Good work demands good tools! These chisels have brightly polished 4-inch blades of carefully tempered tool steel. Expertly ground. Keep a biting keen edge for fast, clean cutting. 8-inch handles, beautifully finished. Heavy ferrule. Average length over all, 13 inches. Genuine CRAFTSMAN quality at moderate prices. Shipping weight, each, 13 ounces.

(A) 9 PT 2850—Gouge, $\frac{1}{4}$ -inch wide.....	59c
(B) 9 PT 2851—Gouge, $\frac{1}{2}$ -inch wide.....	69c
(C) 9 PT 2852—Gouge, $\frac{3}{4}$ -inch wide.....	95c
(D) 9 PT 2856—Round Nose Chisel, $\frac{1}{2}$ -inch wide.....	59c
(E) 9 PT 2858—Parting Tool, $\frac{1}{4}$ -inch wide.....	59c
(F) 9 PT 2862—Skew Chisel, $\frac{1}{2}$ -inch wide.....	59c
(G) 9 PT 2863—Skew Chisel, 1-inch wide.....	85c
(H) 9 PT 2854—Spear Point Chisel, $\frac{1}{2}$ -in. wide.....	59c

9 PT 2853—Complete set of 8 chisels listed above in wood box. Shipping weight, 8 lbs. 10 oz..... \$6.75

**CRAFTSMAN Wood-Carving Tools**

Finely finished wood-carving tools. 2½-inch blades forged from fine quality heat-treated steel; take and hold a razor-edge. 3¼-inch handles, well polished and finished. With these tools you can make a great variety of wood carvings. Great favorites with wood carvers that take pride in their work.

Complete set of 5 tools attractively boxed; includes one each of the following:  $\frac{3}{8}$ -inch bent gouge,  $\frac{1}{2}$ -inch bent chisel,  $\frac{1}{2}$ -inch U tool,  $\frac{3}{8}$ -inch straight chisel and a  $\frac{1}{2}$ -inch veining tool. Shipping weight, 13 oz. 9 PT 2899—Set of 5..... \$2.10

9 PT 2464—Set of 3 tools including a  $\frac{1}{2}$ -inch U tool,  $\frac{1}{4}$ -inch skew bevel, and  $\frac{3}{8}$ -inch bent chisel. Packed in a box. Shipping weight, 8 ounces..... \$1.39

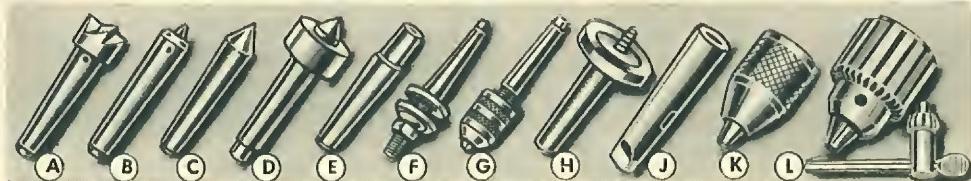
We believe this new line of wood-turning chisels is the finest that can be bought anywhere! Average overall length, 17½ in. Forged tapered blades, extra hard; made of high-carbon steel with vanadium added to give toughness. Blades are highly polished and chrome-plated. Maple handles with beautiful natural finish. Shipping weight, each, 1 pound 2 ounces.

(A) 9 PT 2877—Gouge, $\frac{1}{4}$ -inch wide.....	\$1.35
(B) 9 PT 2878—Gouge, $\frac{1}{2}$ -inch wide.....	1.45
(C) 9 PT 2879—Gouge, $\frac{3}{4}$ -inch wide.....	1.60
(D) 9 PT 2891—Round Nose Chisel, $\frac{1}{2}$ -inch wide.....	1.00
(E) 9 PT 2893—Parting Tool, $\frac{1}{4}$ -inch wide.....	1.20
(F) 9 PT 2894—Skew Chisel, $\frac{1}{2}$ -inch wide.....	1.00
(G) 9 PT 2895—Skew Chisel, 1-inch wide.....	1.15
(H) 9 PT 2890—Spear Point Chisel, $\frac{1}{2}$ -in. wide.....	1.00

9 PT 2898—Set of 8 professional chisels listed above in heavy wood box. Shpg. wt., 11 lbs..... \$9.95

**Tool-Room Necessities**

(A) CRAFTSMAN Sharpening Stone.	Vitrified silicon carbide. One side medium for fast cutting, other side fine for medium edge. Size 7x2x1 inch.
9 PT 6440—Shipping weight, 1 pound 8 ounces.	\$1.25
(B) COMPANION Slip Stone.	Medium-fine. For gouges and other round-shaped tools.
9 PT 6454—Shipping weight, 12 ounces.	45c
(C) Ball Bearing Lubricant.	For power tools.
28 PT 4432—4-oz. tube. Shpg. wt., 11 oz.	15c
(D) COMPANION Stop Rust.	Protects tools from rust. Not a lubricant.
9 PT 2927—Shpg. wt., 8 oz.	29c
(E) Handy Tool Clips.	Steel, adjustable tension.
9 PT 2865—5 mounted clips. Shpg. wt., 10 oz.	25c

**High Quality Lathe Centers and Arbors**

No. 2 Morse taper shanks. Accurately ground for perfect fit. Tapered portion of shank is  $2\frac{1}{2}$  in. long. Check your spindle before ordering.

(A) 9 PT 2107—Spur Center.	Shpg. wt., 7 oz..... 65c
(B) 9 PT 2101—Cup Center.	Shpg. wt., 7 oz..... 65c
(C) 9 PT 2111—60-Degree Center.	Shpg. wt., 7 oz..... 65c
(D) 9 PT 2113—Precision Ball Bearing 60-Degree Center.	Shipping weight, 8 ounces..... \$1.95
(E) 9 PT 2124—Arbor for Jacobs' Chuck.	Shipping weight, 7 ounces..... 75c
(F) 9 PT 2163—Arbor for grinding, etc.	Shipping weight, 13 ounces..... 85c
(G) 9 PT 2126—Arbor and $\frac{1}{2}$ -inch Chuck.	Shipping weight, 1 pound 8 ounces..... \$1.95
(H) 9 PT 2115—Screw Center.	Shpg. wt., 14 oz..... 95c
(I) 9 PT 2161—Adapter Sleeve.	To change from No. 2 to No. 1 Morse taper arbor. Shpg. wt., 5 oz..... 59c

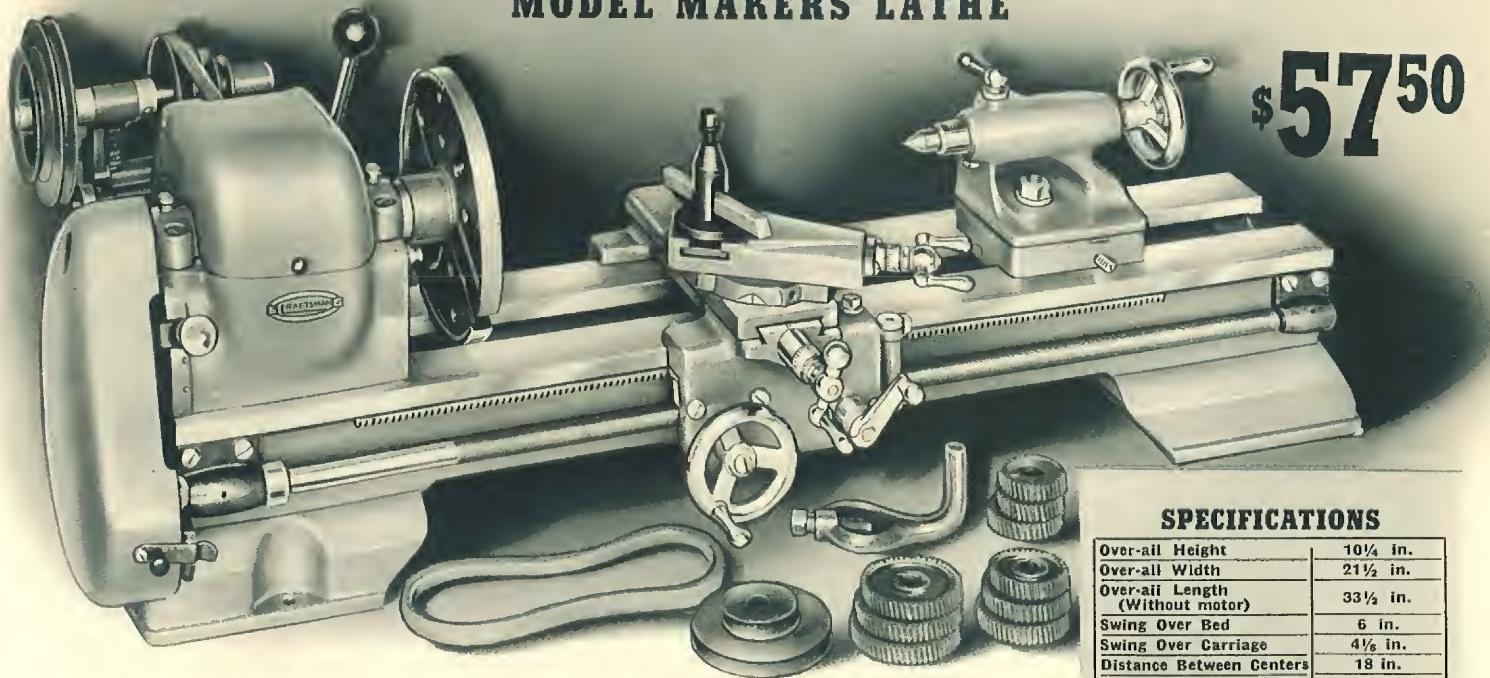
**Jacobs' Chuck**

(L) Extremely high quality throughout.	Cannot be used on threaded spindles.
Fits modified No. 2 Morse taper.	Used with 9 PT 2123 arbor or 9 PT 2124 arbor for lathe on Page 16.
(B) 9 PT 2112—Precision 60-Degree Ball Bearing Center.	Shipping weight, 2 lbs.
(C) 9 PT 2110—60-Degree Precision Center.	Shipping weight, 8 ounces.
(D) 9 PT 2111—60-Degree Precision Center.	Shipping weight, 8 ounces.
(E) 9 PT 2123—Arbor for Jacobs' chuck.	Shipping weight, 75c
(F) 9 PT 2165—Arbor for grinding.	Shipping weight, 70c
(G) 9 PT 2132— $\frac{1}{2}$ -inch Chuck.	For 9 PT 2165 grinding arbor. Shipping weight, 6.45

# CRAFTSMAN PRECISION

REG. U.S. PAT. OFF.

## MODEL MAKERS' LATHE



**\$57.50**

### BACK GEARED . . 6-INCH SWING . . 30-INCH BED

- Guaranteed accurate to within one-thousandth of an inch. Precision built!
- 1-inch ground steel spindle runs in adjustable auto-lubricating bronze bearings
- Back gears give 16 speeds—54 to 3225 R.P.M. A correct speed for all types of metal turning, finishing and polishing; woodworking and machining plastics.

The only precision-built small metal working lathe ever offered at anywhere near this price! While it is smaller in capacity than our larger CRAFTSMAN screw cutting lathes (Pages 20 and 21), it actually matches them in accuracy, precision and performance!

The massive, semi-steel precision-ground bed is rigidly cross braced, and mounted on heavy gray iron legs. Extra heavy headstock, with adjustable bronze bearings gives rigid support to the spindle. Ball thrust bearing takes spindle thrust. Hinged guards for spindle pulley and feed gears give maximum safety. Carriage has hand wheel

ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

for manual operation and feed lever for reversible automatic power feed. Bench type countershaft has quick belt release lever. Graduated compound rest swivels through 360 degrees. Spindle pulley has 60 indexing holes. Compound rest, carriage, etc. are fully gibbed for take-up.

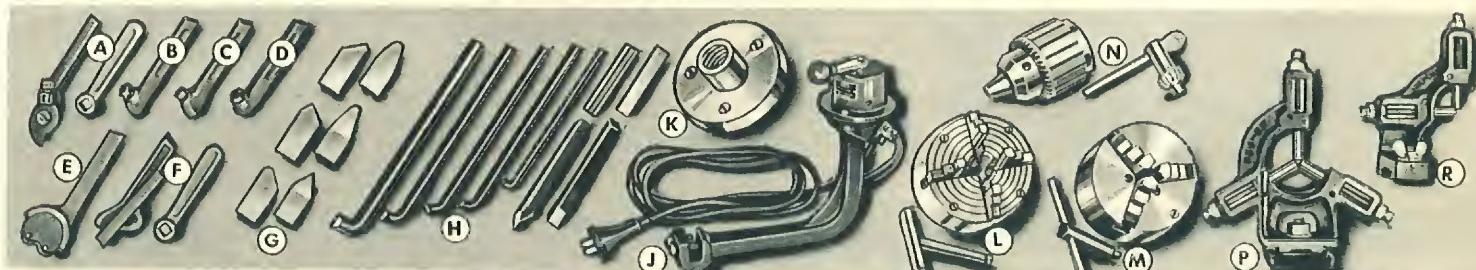
Equipment includes graduated compound rest, tool post, ring and rocker,  $\frac{3}{8}$ -in. tool bit, bench type countershaft, motor pulley, belts, face plate, dog, two 60-degree lathe centers, threading dial, change gears, 3 wrenches and instructions. Shipping weight, 110 pounds.

99 PTM 2048.....\$57.50

### SPECIFICATIONS

Over-all Height	10 $\frac{1}{4}$ in.
Over-all Width	21 $\frac{1}{2}$ in.
Over-all Length (Without motor)	33 $\frac{1}{2}$ in.
Swing Over Bed	6 in.
Swing Over Carriage	4 $\frac{1}{2}$ in.
Distance Between Centers	18 in.
Spindle Bearings	No. 2
Countershaft and Back Gear Bearings	Oilite bronze
Spindle	Size Nose Taper Hole
Tailstock Taper	8 $\frac{3}{4}$ x 1 $\frac{1}{8}$ in. 1-in. R.H. thread No. 2 Morse 1 $\frac{1}{2}$ in.
Back Gear Ratio	6 $\frac{1}{2}$ to 1 (Approx.)
Feeds	.0024; .0039; .0048; .0078
Thread Range	8 to 96 R.H. or L.H.
Tailstock Ram Travel	1 $\frac{1}{4}$ in.
Cross Slide Travel	3 $\frac{1}{2}$ in.
Compound Rest Travel	1 $\frac{1}{2}$ in.
Tailstock Set Over	$\frac{1}{16}$ in.
Speeds	16: 54 to 3225
Motor Recommended	1/4 or 1/2 H.P., 1750 R.P.M.
Recommended Mounting	99 PTM 2786, lathe stand
Mounting Dimensions	4 $\frac{3}{4}$ x 27 $\frac{1}{4}$ in.

### ACCESSORIES FOR CRAFTSMAN MODEL MAKERS' LATHE



#### Tool Holders

Fit 99 PTM 2048 lathe above. Finest quality and construction throughout. Special drop forged steel, heat treated and hardened. Accurately machined. Set screws are best treated alloy steel. Those holders using tool bits use  $\frac{3}{16}$ -inch bits.

- (A) 9 PT 2031—Threading Tool. Shipping weight, 14 oz.....\$2.35  
(B) 9 PT 2033—Straight Tool. Holder, Shpg. wt., 12 oz.....\$1.00  
(C) 9 PT 2034—Right Hand Tool. Holder, Shpg. wt., 12 oz.....\$1.00  
(D) 9 PT 2035—Left Hand Tool. Holder, Shpg. wt., 12 oz.....\$1.00  
(E) 9 PT 2036—Knurling Tool. Shipping weight, 14 oz.....\$2.85  
(F) 9 PT 2037—Cut-off Tool. Shipping weight, 14 oz.....\$1.45

#### Formed Tool Bits

- (G) Set of six  $\frac{3}{16}$ -inch bits to fit tool holders listed at left. High speed steel. Finest quality! Ground to shape. Shipping weight, 5 oz. 9 PT 2043—Set of 6.....\$1.15

#### Tool Post Set

- (H) Ideal for accurate jobs requiring rigid tool mounting. Set includes four boring bars, turning and threading tools, set of spacers. Shipping weight, 14 oz. 9 PT 2138.....\$4.35

#### Reversing Switch

- (I) To be used on the above lathe. For reversing rotation of motor and spindle. Shipping weight, 5 lbs. 9 PT 2039.....\$3.90

#### Face Plate

- (K) Fits 1-inch 8-thread spindle as on 99 PTM 2048 lathe above. Diameter, 3 $\frac{1}{2}$  inches. Shipping weight, 2 lbs. 9 PT 2085.....\$1.25

#### Independent Chuck

- (L) Four reversible jaws move independently of each other. 4 inches in diameter. Fits 1-in. 8-thread spindle as on 99 PTM 2048 lathe above. Shipping weight, 4 pounds 2 ounces. 9 PT 2138.....\$4.95

#### 4-In. Universal Chuck

- (M) 3-jaw; self centering. Fits 1-in. 8-thread spindle. Shipping weight, 4 pounds 8 ounces. 9 PT 2148.....\$14.75

#### Jacobs' Headstock Chuck

- (N) Accurate and convenient for holding small work. Capacity, 0 to  $\frac{1}{2}$  in. Fits 1-inch 8-thread spindle. Extremely high quality throughout. Shipping weight, 4 pounds. 9 PT 2044.....\$9.25

#### Steady Rest

- (O) Clamps on bed ways and gives additional support when turning long pieces in lathe. Shipping weight, 5 lbs. 8 oz. 9 PT 2041.....\$3.60

#### Follower Rest

- (P) Mounts on back of carriage slide to support long slender work. Shipping weight, 3 pounds 8 ounces. 9 PT 2042.....\$2.60

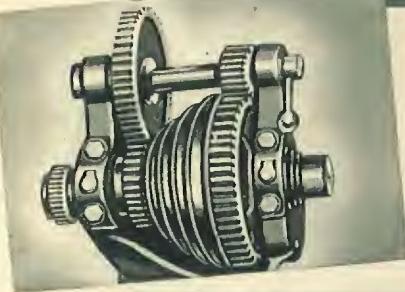
FOR THOSE  
WHO WANT  
THE BEST

# MASTER CRAFTSMAN LATHES

REG. U. S. PAT. OFF.

\$77<sup>50</sup>

99 PTM 2028F



## SPECIFICATIONS

Over-all Height	19½ in.
Over-all Width	25½ in.
Over-all Length	45 in. (42-in. bed)
Swing Over Bed	12¼ in.
Swing Over Carriage	8¾ in.
Main Spindle Bearings	2; babbitt
Countershaft and Back Gear Bearings	4; ellite bronze
Spindle	{ Nose Taper Hole
Tailstock Taper	No. 2 Morse
Feeds	5
Thread Range	4 to 96
Speeds (With back gears)	16; 28 to 2072
Motor	½ or ¼-H.P. 1750 R.P.M.
Recommended Mounting	99PTM2785 or 99PTM2787
Mounting Dimensions	6½x35¾ in. (for 42-in. bed)

## 12-IN. SCREW CUTTING METAL LATHES

- Guaranteed accurate to within .001 inch. Precision construction in every detail!
- Semi-steel headstock has high speed line reamed babbitt bearings for long life
- Countershaft is integral part of lathe; a complete unit including motor mounting
- Thread range from 4 to 96 threads per inch, right and left hand (standard)

Built to meet the most exacting demands of master craftsmen! Thousands are in daily use in factories, garages and homes—wherever a truly fine lathe is desired.

Fine precision construction throughout! Careful tests must PROVE it is accurate to within .001 of an inch before it can leave the factory! Has heavily reinforced semi-steel bed with precision-ground ways. Heavy duty ball thrust bearing in headstock coupled with line reamed babbitt bearings insures smooth operation. Semi-steel tailstock has ¾-inch set-over for taper turning; is fitted with center ejector and coordinating ram lock; ram is graduated in 16ths of an inch and has 2½-in. travel. Non-slip V-belt drive has adjustable belt tension and release lever. Husky back gears (approx. 6 to 1 ratio)

may be cut in for slow speeds on heavy cuts. Heavy semi-steel carriage has adjustable gibbs for take-up. Cross slide travel, 6 in.; compound rest travel, 2½ in. Threading dial supplied as standard equipment. Cuts metric as well as standard threads. Compound rest swivels and locks at any angle and is graduated in one-degree divisions from 0 to 180 degrees. Reverse gear is controlled by lever at left of headstock.

**99 PTM 2028F** — **CRAFTSMAN** 8-speed, 12-inch screw cutting lathe. Back gears not included. 36-inch bed; 18 inches between centers. Complete with manual of "Lathe Operation," threading gears, threading dial, V-belts, pulleys, wrenches, etc. Less motor. Shipping weight, 235 pounds. .... \$77.50

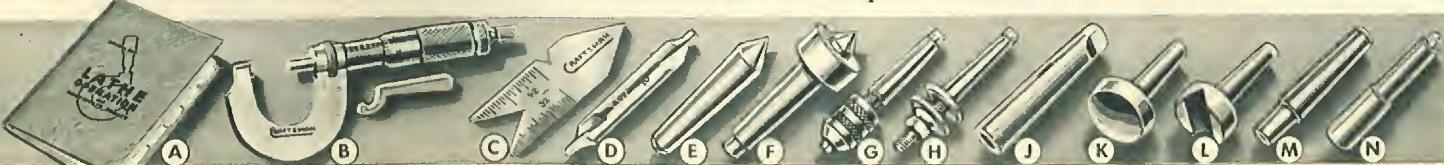
**CRAFTSMAN 16-speed, 12-inch screw cutting lathes.** As above but also equipped with back gears.

*Easy  
Terms!  
ON ORDERS OF  
\$10 OR MORE  
• SEE INSIDE  
FRONT COVER*

Catalog No.	Bed Length	Cap. Between Centers	Shpg. Wt.	Less Motor
99 PTM 2065 F	36 in.	18 inches	245 lbs.	\$89.50
99 PTM 2067	STANDARD	24 inches	255 lbs.	95.00
99 PTM 2069 F	48 in.	30 inches	270 lbs.	102.50
99 PTM 2071 F	54 in.	36 inches	275 lbs.	110.00

99 PTM 2067 lathe is shipped from stock. The other four lathes are shipped from factory in southern Michigan and you pay shipping charges from there.

FOR ADDITIONAL METAL LATHE ACCESSORIES SEE PAGE 22



### Workshop Manual

① Learn how to get the most out of your lathe. 234 pages of sound, practical, easy-to-follow instructions. Fully illustrated with photographs and drawings. Shpg. wt., 1 lb.

9 PT 2925....95c

### Micrometer

② **CRAFTSMAN.** Made in U.S.A. to highest standards of accuracy. Graduated by 1/1000 of an inch. Lock nut, adjustable anvil; decimal equivalents on frame. Shipping weight, 8 ounces.

9 PT 4069  
0 to 1 in....\$7.75

### Center Gauge

③ For checking lathe centers and setting threading tool. Shipping wt., 1 oz.

9 PT 4064.....40c

### Center Drill

④ ½ or ¼-in. State size. Countersink. Shipping wt., 1 oz.

9 PT 2061.....25c

### No. 2 Morse Taper Centers and Arbors

⑤ 9 PT 2111—60-Degree Center.	Shipping weight, 7 ounces.	65c
⑥ 9 PT 2113—Precision Ball Bearing	60-Degree Center. Shpg. wt., 8 oz.	\$1.95
⑦ 9 PT 2125—Arbor and ½-in.	Chuck. Shpg. wt., 1 lb. 8 oz.	1.19
⑧ 9 PT 2163—Arbor.	Shipping weight, 13 ounces.	85c
⑨ 9 PT 2161—Adapter Sleeve.	To change from No. 2 to No. 1 Morse taper.	59c
	Shipping weight, 5 ounces.	

### Lathe Accessories

⑩ 9 PT 2187—Drill Pad.	Shpg. wt., 1 lb. 2 oz.	95c
⑪ 9 PT 2114—Crotch Center.	For centering round work for tailstock drilling. Shpg. wt., 1 lb.	95c
⑫ 9 PT 2124—Arbor. For Jacobs	chuck. Shpg. wt., 7 oz.	75c
⑬ 9 PT 2126—Chuck Arbor.	For use with center rest chuck or spindle nose chuck. Shipping weight, 10 ounces	69c

# MASTER CRAFTSMAN

REG. U.S. PAT. OFF.

**\$119<sup>00</sup>**

99PTM2073F

DELUXE



## GUARANTEED ACCURATE TO .001 INCH

Our finest lathe—now greatly improved to make it even more outstanding than ever before! New reversible power cross feed—just pull a knob and let the power cross feed do your facing work automatically and more accurately. New bigger and heavier carriage! New wipers on carriage—saddle clean and lubricate the ways! New quick release on motor base for obtaining the proper belt tension that is required!

Has ALL the features of our famous CRAFTSMAN 16-speed lathes on the opposite page, PLUS features and refinements usually supplied as special equipment. Equipped with precision Timken tapered roller bearings for greatest accuracy and longest life.

Easy Terms!  
ON ORDERS OF  
10 OR MORE  
SEE INSIDE  
FRONT COVER

These bearings are not just standard TIMKEN bearings, but are specially selected—the type used in large machine tools selling for thousands of dollars! Belt guards completely cover the headstock and motor drive pulleys. They are hinged and may be opened to change speeds, assuring maximum safety for the operator. CRAFTSMAN supplies these guards as standard equipment at no extra charge. Industrial safety codes generally require belt guards. They are a real safety factor—no shop is complete unless belts and pulleys are completely guarded. Complete as illustrated with power cross feed, selected Timken bearings and complete belt guards. Without motor, 99PTM 2075 is shipped from stock. All others shipped from factory in southern Michigan. You pay freight from there.

Catalog No.	Bed Length	Between Centers	Shpg. Wt.	Less Motor
99PTM 2073F	36 in.	18 inches	265 lbs.	\$119.00
	<b>STANDARD</b>			
99PTM 2075	42 in.	24 inches	270 lbs.	<b>\$129.00</b>
99PTM 2077F	48 in.	30 inches	285 lbs.	\$139.00
99PTM 2079F	54 in.	36 inches	290 lbs.	\$149.00

## SPECIFICATIONS

Over-all Height	25 1/2 in.
Over-all Width	25 1/2 in.
Over-all Length	45 in. (42-in. bed)
Swing Over Bed	12 1/4 in.
Swing Over Carriage	8 1/2 in.
Spindle Bearings	2; Timken roller
Countershaft and Back Gear Bearings	4; oilite bronze
Spindle { Nose Taper	1 1/2 in.; 8 R.H. No. 3 Morse with sleeve to No. 2
Hole	2 1/2 in. bore
Tailstock Taper	No. 2 Morse
Feeds	5
Thread Range	4 to 96
Speeds	16: 24 to 2072
Motor	1/2 or 1/2-H.P.; 1750 R.P.M.
Recommended Mounting	99PTM2786 or 99PTM2787
Mounting Dimensions	6 1/2 x 35 1/2 in. (for 42-in. bed)



### Tool Holders

Steel forgings, carefully finished. For  $\frac{1}{4}$ -in. tool bits. Shanks are  $\frac{3}{8}$  inch high;  $\frac{3}{8}$  inch wide. Shipping weight, each, 2 lbs.

- (A) 9 PT 2192—Offset, right \$1.10
- (B) 9 PT 2194—Offset, left \$1.10
- (C) 9 PT 2196—Straight ... 1.10
- (D) 9 PT 2198—Threading... 2.45
- (E) 9 PT 2200—Cut-off.... 1.45
- (F) 9 PT 2202—Knurling tool 2.95

### 6 Formed Tool Bits

$\frac{1}{4}$ -in. High speed steel. Fit holders at left. Shipping wt., 8 oz. Set includes:  
(G) Threading bit.  
(H) L.H. facing bit.  
(J) R.H. turning bit.  
(K) Round nose turning bit.  
(L) R.H. facing bit.  
(M) L.H. turning bit.  
9 PT 2205—Set of 6... \$1.15

### Tool Post Tool Set

(N) Includes set of tool post spacers; 4 boring tools ( $\frac{1}{16}$ ,  $\frac{1}{8}$ ,  $\frac{5}{16}$ ,  $\frac{3}{8}$ -in.);  $\frac{1}{4}$ -in. inside threading tool;  $\frac{3}{8}$ -in. turning tool, and  $\frac{3}{8}$ -in. threading tool. Shpg. wt., 2 lbs.  
9 PT 2189... \$4.35

### Micrometer Carriage Stop

(P) Handy for boring or facing to a given depth; cutting off at a given point; duplicating longitudinal cuts; and laying out work on a cylindrical surface. Clamps on front bed way. An aid to better work. Shipping weight, 1 lb.  
9 PT 2185..... \$3.25

### Reversing Switch

(R) Drum type switch. Essential for grinding and tapping, all types of fine metal and wood finishing. Permits changing direction of rotation of lathe spindle. (Not for repulsion-induction motors.) Durable contacts for long life. With cord and plug. Shpg. wt., 5 lbs.  
9 PT 2983..... \$3.95



### Face Plates

(A) For any lathe with  $1\frac{1}{2}$ -inch, 8-thread spindle as in the lathes on these two pages. 9 PT 2097— $3\frac{1}{4}$ -in. Shpg. wt., 2 lbs. \$1.25

- 9 PT 2098—6-in. Shipping wt., 3 lbs.... \$1.65
- 9 PT 2087— $8\frac{1}{2}$ -in. Shpg. wt., 6 lbs. 11 oz. \$3.50
- 9 PT 2150..... \$17.95

### Scroll Chuck

(B) 5-inch, 3-jaw, self-centering chuck. A real time saver for centering round or hexagonal work. Fully adjustable by turning one screw. Fits  $1\frac{1}{2}$ -inch, 8-thread spindle as on lathes on these two pages. Supplied with two sets of jaws (inside and outside). Shipping weight, 6 lbs. 11 oz. 9 PT 2150..... \$17.95

### Independent Chucks

(C) Four reversible jaws, hardened and tempered. For  $1\frac{1}{2}$ -inch, 8-thread spindle such as on lathes on these two pages. 9 PT 2139—6 inches. Shpg. wt., 8 lbs. 12 oz. \$9.25  
99 PT 2141—Heavy duty. 8-in. Shipping wt., 22 lbs. \$14.45

### Jacobs' $\frac{1}{2}$ -In. Chuck

(D) When fitted with arbor 9 PT 2124 (on opposite page), it may be used either in lathe head or tailstock for holding drill bits. Shipping weight, 2 pounds.  
9 PT 2142..... \$5.25  
 $\frac{1}{2}$  to  $\frac{1}{2}$ -inch.... \$5.25  
9 PT 2143—0 to  $\frac{1}{2}$ -inch..... \$6.45

### Jacobs' Chucks

(E) Spindle nose. Hollow; capacity  $\frac{1}{2}$  to  $\frac{1}{2}$ -in. Used on tail-stock of lathe with adapter. Shipping weight, 4 lbs.  
9 PT 2144..... \$11.50

(F) Center rest. Use in tail-stock to hold centerless armatures. Shipping weight, 3 pounds.  
9 PT 2991..... \$7.75

### Lathe Dogs

(G) Drop forged. Hold work firmly. Heat treated set screws. Be sure to state size.

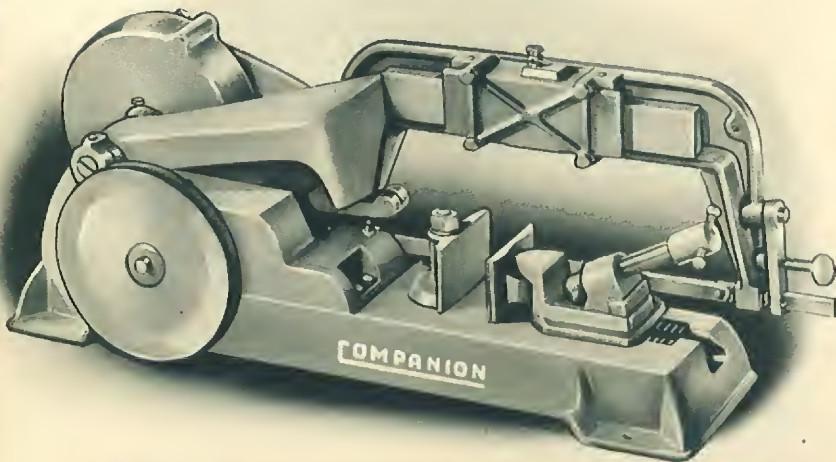
Size	Shpg. Wt.	Price
$\frac{1}{2}$ in.	1 lb.	50¢
$\frac{3}{4}$ in.	1 lb.	60¢
1 in.	1 lb.	60¢
$1\frac{1}{2}$ in.	1 lb.	70¢

# COMPANION

## DRAW CUT

### POWER HACK SAW

**\$23<sup>95</sup>**



#### WHAT A WORK SAVER! FULLY AUTOMATIC IN ACTION

Rugged, sturdy design. Built for years of dependable service in shops, garages and factories. Set up the work and forget it. You can do another job while the hack saw finishes the cut. Extra large bronze bearings for long life. Takes material up to 4x4 in. Automatic relieving mechanism raises the blade from the work on the return stroke, increasing blade life and efficiency. Entire frame raises to install work. Vise is adjustable to cut any angle from 90° to 45°. Takes any standard 12-inch power hack saw blade. Smooth running gray iron gears.

99 PTM 2294—Shpg. wt., 80 lbs.....\$23.95  
99 PT 6580—CRAFTSMAN 12-inch Power Blades, 14 teeth to the inch.  $\frac{5}{8}$  in. wide, .032 in. thick. Shipping weight, 1 lb. 2 oz. Dozen.....95c

*Easy Terms!*  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER



#### RIGID SUPPORT FOR ACCURATE LATHE WORK

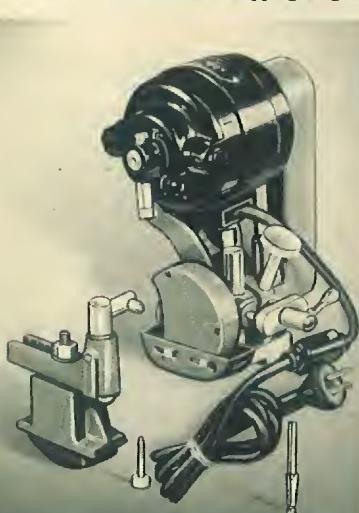
**\$18<sup>95</sup>**

45-inch

This new lathe cabinet is a beauty! Modern streamlined design! Fully enclosed! Extra heavy welded steel construction to give rigid support for accurate lathe work. Heavy, smoothly finished mounting board on top. Two large doors with piano type hinges and snap catch locks. Large steel shelf furnishes a convenient place for change gears, tools, etc. Height, 32 $\frac{1}{4}$  inches. Width, 14 inches.

99 PTM 2786—45-inch length. For lathes with beds up to and including 44 inches. Shpg. wt., 95 lbs.....\$18.95

99 PTM 2787—57-inch length. For lathes with beds up to and including 54 inches. Shpg. wt., 116 lbs.....\$22.95



#### CRAFTSMAN METAL LATHE ACCESSORIES

##### Universal Tool Post Grinder

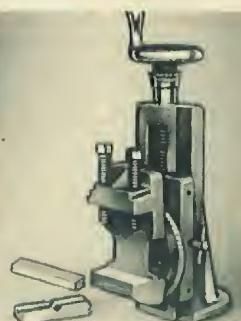
Grinds valves and cutters at any angle. Also pistons, bushings, reamers, valve stems, and lathe centers. Undercuts mica. Complete with motor, external and internal grinding wheels, quill for internal grinding, 5 mica undercutting saws and diamond wheel dresser. Shipping weight, 23 lbs.

99 PT 2998 \$44.50

##### Taper Attachment

An accurate taper attachment at a very moderate price. Easily installed—simple to operate. With this attachment it is not necessary to move the tailstock center out of alignment. Duplicate tapers can be cut accurately on pieces of different lengths. Boring work can be done as easily as external work. Index plate is graduated 7° and 3 in. both sides of center line. Fits old or new model CRAFTSMAN lathes. Shipping weight, 10 pounds.

99 PT 2984 \$13.95

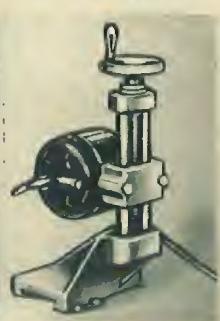


**Milling Attachment**  
Has graduated swivel vise, V-block to hold cylindrical objects. Vise capacity, 2 $\frac{3}{4}$  in. Vertical feed, 2 $\frac{1}{2}$  in. Graduated angular swivel. Shpg. wt., each, 16 lbs.

99 PT 2987—Fits lathes on

Pages 20 and 21. Fastens with two heavy set screws.....\$14.45

99 PT 2993—Fits old model CRAFTSMAN lathes. Fastens with two bolts from below.....\$14.45



**Mica Undercutter**  
Fastens to back of carriage; goes into action in a jiffy. May be moved out of way when not in use. Universal motor for 110-120-volt D.C. or A.C. 25-60 cycles. With switch, cord and set of 5 undercutting saws. Shipping weight, 10 pounds.

99 PT 2989 \$18.50



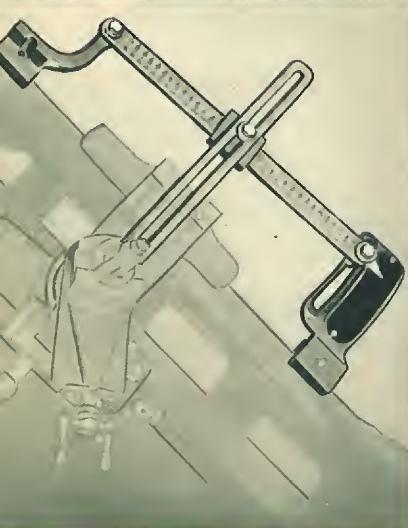
**Follower Rest**  
Gives necessary support for jobs requiring a long cut on small diameters. Insures accurate work. Fastens to back of carriage dovetail slide—follows cutting tool. Shipping weight, 4 pounds.

99 PT 2988 \$2.75



**Steady Rest**  
Brass jaws give rigid support to insure accuracy in turning, boring and threading long, slender pieces in the lathe. Clamps to bed ways. Capacity up to 2 $\frac{3}{4}$  inches. Shipping weight, 7 pounds.

99 PT 2050 \$4.60

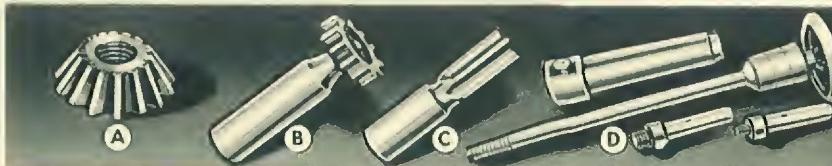


**A Angular Type.** For face milling or dovetailing. Use with threaded adapters supplied with Holding Collet 9 PT 2996. Shpg. wt., each, 3 oz.

99 PT 2995—State size.

Diam., In.	Thick., In.	Hole, In.	Price
1 $\frac{1}{2}$	$\frac{7}{16}$	$\frac{3}{8}$	\$3.35
1 $\frac{1}{2}$	$\frac{7}{16}$	$\frac{1}{2}$	3.75

Page 22



#### High Speed Steel Milling Cutters

**B Wood-ruff Keyway Cutters.** Well made; ground.  $\frac{1}{2}$ -in. shank. Shpg. wt., each, 4 oz. State size.

Diam., In.	Flute, In.	9 PT 2996
$\frac{1}{2}$	$\frac{5}{16}$	\$1.85
$\frac{3}{4}$	$\frac{11}{16}$	2.15
1	$\frac{1}{2}$	2.45
$\frac{5}{8}$	$\frac{11}{16}$	2.85
$\frac{1}{2}$	$\frac{13}{16}$	3.25

**C R.H. Cut, R.H. Spiral End Mills.** Used with 9 PT 2994 and 9 PT 2985. Shpg. wt., each, 3 oz. State size.

Diam., In.	Flute, In.	9 PT 2997
$\frac{1}{4}$	$\frac{5}{16}$	\$1.20
$\frac{5}{16}$	$\frac{11}{16}$	1.25
$\frac{3}{8}$	$\frac{11}{16}$	1.40
$\frac{5}{16}$	$\frac{13}{16}$	1.60
$\frac{1}{2}$	$\frac{13}{16}$	1.75

#### Holding Collet

**D** For threaded-hole angular milling and keyway cutters, and  $\frac{1}{2}$ -in. end mill. Shpg. wt., 3 lbs.

9 PT 2994	\$5.25
9 PT 2985—4 bushings for use with $\frac{1}{4}$ , $\frac{3}{8}$ , $\frac{5}{16}$ -in. end mills. Shipping wt., 4 oz.....	.95c

# DO YOUR OWN ARC WELDING



**GLASS INSULATED  
RAFTSMAN \$87<sup>50</sup>**  
COMPLETE

- Delivers from 20 to 160 amperes of actual welding current
- For professional use and steady, continuous service
- Amazing double Vitrotex spun-glass insulation resists temperatures as high as 500 degrees—practically eliminates burn-outs!

One of the greatest advancements EVER made in welder design! Think of having a welder that withstands temperatures as high as 500° Fahrenheit! The amazing spun-glass Vitrotex insulation in the coils looks like fine silk thread but it's actually glass. Won't crack, break down, or short! Use it on the correct current supply (220 volts) and it is practically impossible to burn out the **RAFTSMAN** glass insulated arc welder.

All-steel cabinet and transformer supports, like all finest arc welders, assure greater strength and eliminate warping and fire hazard. Heat range of six heats with maximum of 160 amps. This rating refers only to actual welding current—not to short circuit output which is meaningless and is always higher than welding current. Welds from 22-gauge up to heavy metal without preparation (any thickness if metal is pre-heated and beveled or

"V'd"). Cuts iron, steel or cast iron. Will do brazing or soldering. Bakelite selector plug and control panel make it easy to change heats INSTANTLY. Operates on 220-volt 60-cycle A.C. only. Complete with two 10-ft. welding cables; electrode holder; extension wiring; welder's helmet; supply of welding rods; carbon electrode for brazing, soldering and cutting; and instructions. Shipping weight, 230 pounds.

99 PTM 2001.....\$87.50

## Shielded Welding Rods

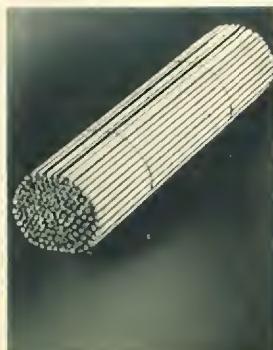
These welding rods are intended particularly for A.C. arc welders. Also may be used on D.C. welders. They are covered with a heavy coating of flux. The flux cleans the surface of the metal and also protects the surface of work being welded. At the intensely high temperature of the arc oxides will form on the molten metal and may be included in the weld if an effective flux is not used. Flux also allows the weld to cool more slowly. Recommended for general purpose work on iron and steel. Shipping weight, 5 pounds 12 ounces.

9 PT 2003—Specify size wanted.

Size.....	1/16 in.	3/32 in.	1/8 in.	5/32 in.
5-lb. package.....	\$1.89	\$1.45	\$1.19	\$1.10

**\$1<sup>10</sup>**

5/32-Inch  
5-lb. Pkg.



**GARAGES**  
To weld cracked motor blocks, fenders, body metal, steel wheels, etc.



**FARM MACHINERY**  
For repairing farm machinery of all kinds—plows, tractors, etc.

## SPECIFICATIONS

	99PTM2001	99PTM2049
Over-all Height	33 1/4 in.	21 1/2 in.
Over-all Width	20 1/2 in.	16 in.
Over-all Length	19 in.	16 1/2 in.
Size of Rods (Maximum)	5/32 in.	5/32 in.
Maximum Amperes Delivered (Actual welding current)	160	75
Welding Heats (Actual welding current)	6 heats; 20-160 amps.	6 heats; 20-75 amps.
Current Supply	220-volt A.C. 60-cycle	110-volt A.C. 60-cycle
Service	Continuous	Intermittent
Maximum K. W.	5.0	2.4
Maximum K.V.A.	7.0	3.4
Maximum LineDraw	35 amps. (220-Volt)	32 amps. (110-Volt)



**\$37<sup>50</sup>**  
COMPLETE

**PORTABLE UTILITY  
COMPANION**

- Delivers from 20 to 75 amperes of actual welding current
- New automatic voltage regulator increases voltage on low heats—makes it easy to strike and hold an arc
- New, improved compact design for easy handling

Entirely new! Greatly improved! By far the finest 110-volt welder we have ever sold! Now Sears great new voltage regulator makes it possible to own an arc welder which will operate easily on a 110-volt line—even on-low taps!

The ideal machine for home workshop and small garages. Pays for itself on the first few jobs! Particularly recommended for light gauge metals, such as fenders, etc. Easily handles metals 22-gauge up to 5/16-in. thick. On 5/16-in. or heavier work it may be desirable to run several beads. Using this method quite heavy work may be handled. May also be used for brazing and soldering. Has all-steel cabinet and transformer supports.

Not recommended for steady continuous service, but may be operated for 2 hours with a 50% duty cycle. For 110-120 volt 60-cycle A.C. only. Complete with two 10-ft. welding cables; electrode holder; extension cord and plug; welder's helmet; supply of welding rods; carbon electrode; and instructions. Shpg. wt. 110 lbs.

99 PTM 2049.....\$37.50

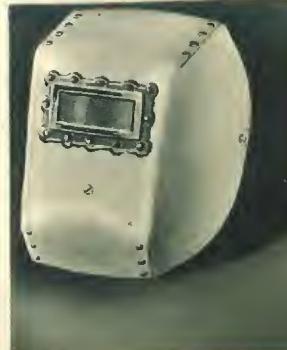
## Welding Helmet

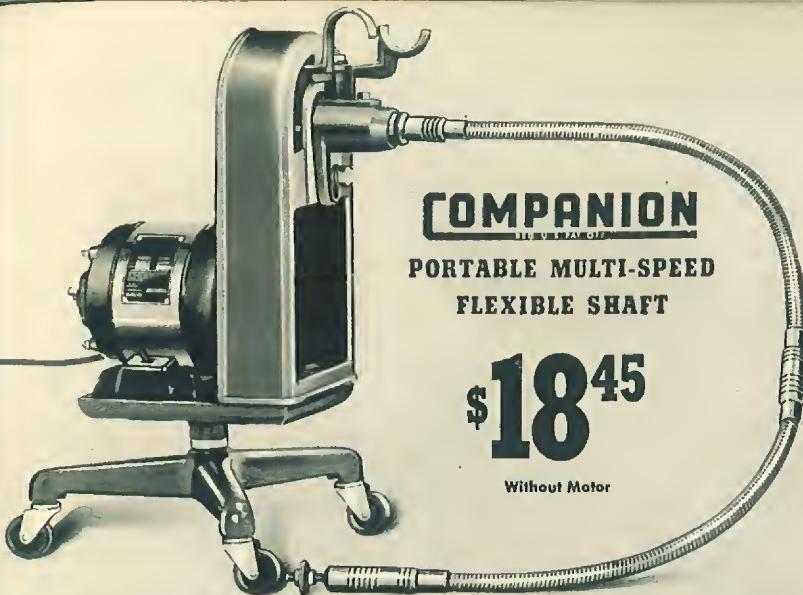
An absolute necessity for the welding operator! Protects him against sparks and shields his eyes from the brilliant light. You should never get close to a welder without the protection of a helmet. Strong and well made. Adjustable to any angle or to different sizes of head. May be thrown back out of way without removing from head. The eye shield has two layers of glass. The outer layer is made of ordinary inexpensive glass which protects the expensive special colored glass on the inside. Protect yourself with this fine welding helmet. Shipping weight, 2 pounds 8 ounces.

**\$3<sup>20</sup>**

9 PT 2009.....\$3.20

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SEARS ARE FAMOUS FOR

# FLEXIBLE SHAFTS

Recognized as the finest flexible shaft outfit ever built at anywhere near its price! Now better than ever! Now has SKF ball bearing jack shaft mounted in an attractive, streamlined housing, which fully guards the entire four-speed belt drive! So designed that it is easy to change speeds.

Truly the tool of a thousand uses! Use it for grinding, polishing, buffing, sanding, drilling, carving, refinishing, paint removal, etc. Multi-speed attachment gives wide range of speeds for all kinds of work. Has rugged, long-life construction in EVERY detail (for more complete description of parts, see outfit below). Outfit includes portable motor base, multi-speed belt drive, ball bearing handpiece, two 43-inch lengths of casing and core, hand grip,  $\frac{1}{2}$ -inch 24-thread adapter and chuck. This outfit will save you plenty of hard work!

99 PT 2506—Without motor. Shipping weight, 35 pounds. .... \$18.45  
99 PTM 2507—with 99 PT 5620 motor (fully described on Page 39). Shipping weight, 67 pounds. .... \$27.95

*Easy Terms!*  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER



Exactly the same fine quality as above, but without the multiple-speed belt drive. Shaft is connected directly to motor with motor coupling. Has two lengths of 43-inch casing and core. (Over-all length of complete shaft, 93 in.) Grease-tight casing is made of soft steel—has solid brass ferrule at each end. Portable motor base enables you to take the tool to the job.

The high tensile steel wire core is wound in alternate layers to form a strong, flexible drive. Handpiece spindle and motor coupling run on ball bearings. Ball bearing casters on motor base for easy portability. Outfit includes  $\frac{1}{2}$ -in. motor coupling, two 43-in. lengths of casing and core, hand grip, handpiece, portable motor base, adapter and chuck.

99 PT 2503—Without motor. Shpg. wt., 26 lbs. .... \$11.95  
99 PTM 2504—with 99 PT 5620 motor (see Page 39). Shpg. wt., 58 lbs. .... 21.50

### COMPANION Direct Drive

Same construction as 99PT2503 above, but has a single length of shaft and comes without the caster mounted base. Complete with  $\frac{1}{4}$ -inch chuck, chuck adapter, ball bearing motor coupling to fit any  $\frac{1}{2}$ -inch motor shaft, casing, core, hand grip and ball bearing handpiece. Over-all length, 50 inches. Shipping wt., 4 lbs. 12 oz.

99 PT 2629—Complete outfit. .... \$4.75



### Portable Motor Base

May be used with CRAFTSMAN or COMPANION flexible shafts. Has 3 ball bearing casters for easy portability. Casters are removable so that base can be mounted permanently on a bench. Has a ball bearing swivel base to carry motor and multi-speed attachment. Shpg. wt., 12 lbs. 6 oz. 9 PT 2501.... \$4.95



### Multi Speed Drive

Fits COMPANION or CRAFTSMAN flexible shafts. SKF ball bearing jackshaft is mounted in housing which guards pulleys. By reversing pulleys, seven speeds from 1280 to 9500 R.P.M. are available with a 3450 R.P.M. motor. With 2 sizes of 4-step pulleys and V-helix, Shpg. wt., 9 lbs. 4 oz. 9 PT 2502.... \$7.75

SEARS ARE FAMOUS FOR

# FLEXIBLE SHAFTS



### A NEW TOOL EVERY



**(A)** Sanding Drum. With abrasive sleeve and adapter. 3 in. long and  $2\frac{1}{4}$  inches in diameter.

9 PT 2520—Complete. Shpg. wt., 12 oz. .... 96c

**(B)** 9 PT 2522—Abrasive Sleeve. Fine, medium or coarse. State grit. Shpg. wt., 2 oz. Each. 10c

**(C)** Sanding Drum. With sleeve. Ht. 1 in. Shpg. wt., 4 ounces. State diam. ....  $1\frac{1}{2}$  in.  $2\frac{1}{2}$  in. 3 in. 9 PT 2439.... 39c 69c 95c

**(D)** Sanding Sleeves. State fine or

coarse grit. Shpg. wt., 3 oz. State diam. ....  $1\frac{1}{2}$  in.  $2\frac{1}{2}$  in. 3 in. 9 PT 2442—6 for 39c 39c 49c



**(A)**  $\frac{1}{4}$ -In. Drill Chuck.

Shpg. wt., 5 oz. 9 PT 2130.... 29c

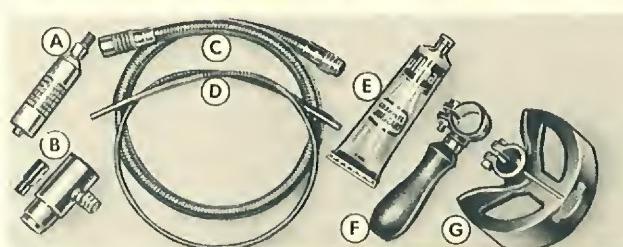
**(B)**  $\frac{1}{2}$ -In. Chuck Adapter.

Fits 9 PT 2500 handpiece below. Shpg. wt., 6 oz. 9 PT 2543.... 29c

**(C)** Wire Scratch Wheel. For removing rust, scale, buffering tires, etc.  $\frac{1}{2}$ -in. hole. Specify 4-in. diameter. Shpg. wt., 5 oz. 9 PT 6480—Coarse. 30c 9 PT 6482—Fine. 40c

**(D)** Carbon Removing Brush. Diam., 1 in. Shpg. wt., 4 oz. 9 PT 6484.... 49c

**(E)** Wire Cup Brush. Diameter,  $2\frac{1}{4}$  in. Shpg. wt., 4 ounces. 9 PT 6485.... 49c



**(A)** COMPANION Handpiece. Ball bearing.  $5\frac{1}{2}$ -in. shank to fit 9 PT 2543. 9 PT 2500—Shpg. wt., 8 oz. .... \$1.15

**(B)** COMPANION Motor Coupling. Ball bearing. For  $\frac{1}{2}$ -in. motor shaft only. 9 PT 2546—Shpg. wt., 11 ounces. .... \$1.19

**(C)** COMPANION Core and Casing. Each 43 inches long. Check length of your old core and casing before ordering. Used only with COMPANION shafts.

9 PT 2505—Casing. Shipping weight, 2 pounds 8 ounces. .... \$1.15

9 PT 2510—Core. Shipping weight, 1 pound. .... \$1.15

**(D)** COMPANION Extension Set. (Not shown) Includes both 9 PT 2510 core and 9 PT 2505 casing. Shpg. wt., 3 lbs. 12 oz. 9 PT 2530.... \$2.25

**(E)** Graphite Lubricant. For use on core only (not for handpieces or couplings). Shipping weight, 7 ounces. 9 PT 2537.... 17c

**(F)** COMPANION Hand Grip. Attaches to 9 PT 2500 handpiece for easy handling. Shpg. wt., 10 oz. 9 PT 2515.... 30c

**(G)** COMPANION Grinding Wheel Guard. Clamps firmly to 9 PT 2500 handpiece. An absolute necessity for grinding and wire wheel work. Shpg. wt., 1 lb. 6 oz. 9 PT 2517.... 65c



**CRAFTSMAN**  
PORTABLE MULTI-SPEED  
FLEXIBLE SHAFT

**\$25.00**  
Without Motor

New! A super-quality flexible shaft! Extra big... extra heavy... extra strong! Built to stand up under tough production jobs in large industrial plants. Best of all, **CRAFTSMAN** brings you this shaft at  $\frac{1}{4}$  to  $\frac{1}{2}$  the usual price for flexible shafts of similar quality. It's built to last!

Heavy duty construction throughout! Has a 3-ply casing for long life (see outfit at right for complete description of casing and core). Heavy duty handpiece has grease-packed precision SKF ball bearings—is scientifically designed to prevent entrance of foreign matter to the bearings. Enclosed multi-speed belt drive gives a wide range of 7 speeds for all kinds of work—also equipped with precision SKF ball bearings. Alloy steels are freely used to provide long, trouble-free life. Complete with ball bearing caster-mounted base, SKF ball bearing multi-speed belt drive, SKF ball bearing handpiece, casing, core, and core. Over-all length of shaft, 6 feet.

99 PT 2518—Without motor. Shpg. wt., 29 lbs..... \$25.00

99 PTM 2519—With 99 PT 5587  $\frac{1}{2}$ -H.P. 3450 condenser motor (See Page 38). Shipping weight, 63 pounds..... \$41.00

*Easy Terms!  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
NEXT PAGE*



**CRAFTSMAN PORTABLE**  
**DIRECT-DRIVE FLEXIBLE SHAFT**

**\$18.50**  
Without Motor

Same heavy duty construction as outfit at left, but shaft is connected directly to the motor with an **SKF** ball bearing motor coupling instead of having a multi-speed belt drive.

The new type casing in CRAFTSMAN flexible shaft outfits is made with 3 super-strong plies! Inside is a layer of hardened spring steel wire; then a layer of dead, soft steel wire; and then a thick layer of tough, long-lived rubber. The core is built of special alloy high carbon steel wire wound transversely around the center core wire—has tremendous strength! Fittings are made of chrome nickel steel. Outfit includes ball bearing caster base, SKF ball bearing handpiece, casing, core and SKF ball bearing motor coupling (see description of coupling in 9 PT 2511 outfit below).

99 PT 2513—Without motor. Shipping weight, 24 lbs..... \$18.50

99 PTM 2514—with 99 PT 5587 motor (See Page 38). Shpg. wt., 58 lbs..... \$35.00

**CRAFTSMAN Direct-Drive Unit**

Same as 99PT2513 above, but without caster-mounted base. Motor coupling built of alloy steel—fitted with **SKF** ball bearings sealed for life—fits any  $\frac{1}{2}$ -inch motor shaft. Complete with **SKF** ball bearing handpiece, casing, core, and **SKF** ball bearing motor coupling. Shipping weight, 11 lbs.

9 PT 2511—Complete outfit... \$13.75



**TIME YOU CHANGE ATTACHMENTS**



(A)  $5\frac{1}{2}$ -In. Flexible Sanding Disc. To mount on 9 PT 2500 handpiece. 9 PT 2540—Shpg. wt., 10 oz..... 95c

(B) 9 PT 2541—Replacement Discs. Shipping wt., 2 oz. Pair..... 25c

(C) 9 PT 2542—Adapter only. To fit CRAFTSMAN handpiece or  $\frac{1}{2}$ -in. spindle. Shpg. wt., 4 oz..... 25c

(D) 6-In. Sanding Disc. Metal disc  $\frac{1}{2}$ -in. with sponge rubber facing. Fits 9 PT 2239—Complete..... 85c

(E) 9 PT 2525—Metal disc with abrasive disc. Shpg. wt., 1 lb..... 65c

(F) 9 PT 2529—Rubber pad only. Shipping weight, 4 ounces..... 25c

(G) 6-In. Sanding Discs. Aluminum oxide abrasive. Shipping weight, 5 ounces.

(H) 9 PT 2526—Pkg. of 6..... 23c

(I) Quick Setting Cement.  $\frac{1}{2}$ -pint can. For holding abrasive discs on metal plates. Shpg. wt., 1 lb. 2 oz. 9 PT 2535..... 37c



(J) Sheepskin Polishing Pad. Slips over 9 PT 2239 sanding disc. For polishing waxed surfaces, etc. 9 PT 2631—Shpg. wt., 4 oz..... 75c

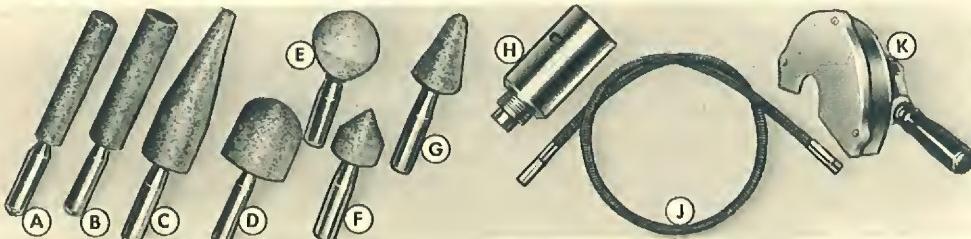
(K) Sheepskin Polishing Drum. Slips over sanding drum 9 PT 2520. Ideal for polishing curves, contours, etc. 9 PT 2533—Shpg. wt., 3 oz..... 49c

(L) 6-In. Cotton Buff. 20 thicknesses of bleached muslin. Spiral sewed. State 6-in. diam. 9 PT 6490—Shpg. wt., 3 oz..... 14c

(M) 4x $\frac{1}{2}$ -In. HOWARD Grinding Wheel. Vitrified aluminum oxide. Medium fine. State 4x $\frac{1}{2}$ -in. size. 9 PT 6402—Shpg. wt., 1 lb. 2 oz. 35c

(N) 6-Inch Tampico Brush. An ideal brush for cleaning, buffing or polishing.  $\frac{1}{2}$ -inch hole. 9 PT 6466—Shpg. wt., 8 oz..... 49c

(O) 6-Inch Floor Waxing Brush. For scrubbing or polishing floors, etc.  $\frac{1}{2}$ -inch hole. 9 PT 6487—Shpg. wt., 11 oz..... 49c



(P) Mounted Grinding Points. Highest quality vitrified aluminum oxide. Accurately mounted on  $\frac{1}{4}$ -inch steel shafts—run true. Use for finish work, die cutting, or any odd grinding work. Use with any high speed flexible shaft. Shipping weight, each, 3 ounces.

(Q) 9 PT 6463—MP12.48c (D) 9 PT 6460—A21.48c

(R) 9 PT 6462—MP11.48c (E) 9 PT 6459—A25.48c

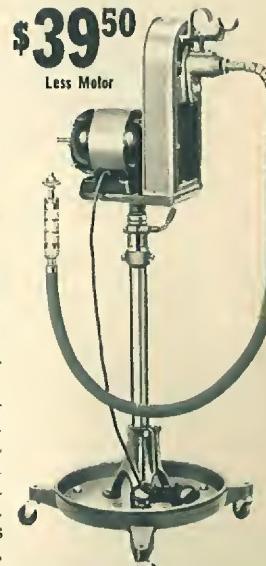
(S) 9 PT 6461—A1....59c (F) 9 PT 6458—A14.48c

(T) 9 PT 6457—A5....48c

(U) SKF Ball Bearing Motor Coupling. For use with CRAFTSMAN flexible shafts only. Securely locks in place on any  $\frac{1}{2}$ -inch motor shaft. Used whenever flexible shaft is attached direct to motor. Ball bearings are sealed for life against all foreign particles. Built of special alloy steel throughout. Shipping weight, 1 lb. 4 oz. 9 PT 2547..... \$3.75

(V) Core. For CRAFTSMAN flexible shafts. Constructed of special alloy high carbon steel wire. Wound transversely around the center core wire. Maximum flexibility is combined with great strength. Fittings are made from chrome nickel alloy steel. Designed to give a full floating action of core between the counter shaft and the handpiece. Shipping weight, 2 lbs. 8 oz. 9 PT 2512..... \$4.25

(W) Grinding Wheel Guard. Made to fit on CRAFTSMAN handpiece. Fully enclosed and protected. For safety it is absolutely necessary to use one of these guards when doing any type of grinding or wire wheel work with your flexible shaft. Keeps particles of material from flying into eyes and protects the face. To be doubly sure use grinding goggles shown on Page 42. Shpg. wt., 2 lbs. 8 oz. 9 PT 2484..... \$4.65



**\$39.50**  
Less Motor

**CRAFTSMAN**

**Multi-Speed**

**Floor Type**

**Flexible Shaft**

This outfit has the same fine features and the same extra heavy duty construction as the **CRAFTSMAN** Flexible Shaft Outfit above at left—but it's a big, husky, floor type model to give it even a wider range of uses! It's an ideal unit for shops, garages, etc.

The motor and enclosed multi-speed belt drive are on a rugged table which is mounted on a heavy steel column. This column mounts on a heavily built, easy rolling ball bearing base. Tool tray is provided for grinding wheels, etc. Outfit also includes **SKF** ball bearing handpiece, casing and core. Over-all length of shaft, 6 feet.

99 PTM 2521—Without motor. Shipping weight, 120 pounds..... \$39.50  
99 PTM 2524—with 99 PT 5587 motor (Page 38). Shipping weight, 154 pounds..... \$55.00

**Angle Head**

Permits mounting of accessories at right angles to shaft. Particularly handy for working on fenders, etc. Will fit either COMPANION or CRAFTSMAN flexible shafts on these two pages. Spindles are mounted on 4 high quality ball bearings. Machined spiral bevel gears are hardened. Spindle threaded to  $\frac{1}{2}$ -in. 24-thread for sanding discs, etc. Shipping weight, 3 lbs. 8 oz. 9 PT 2499..... \$16.50

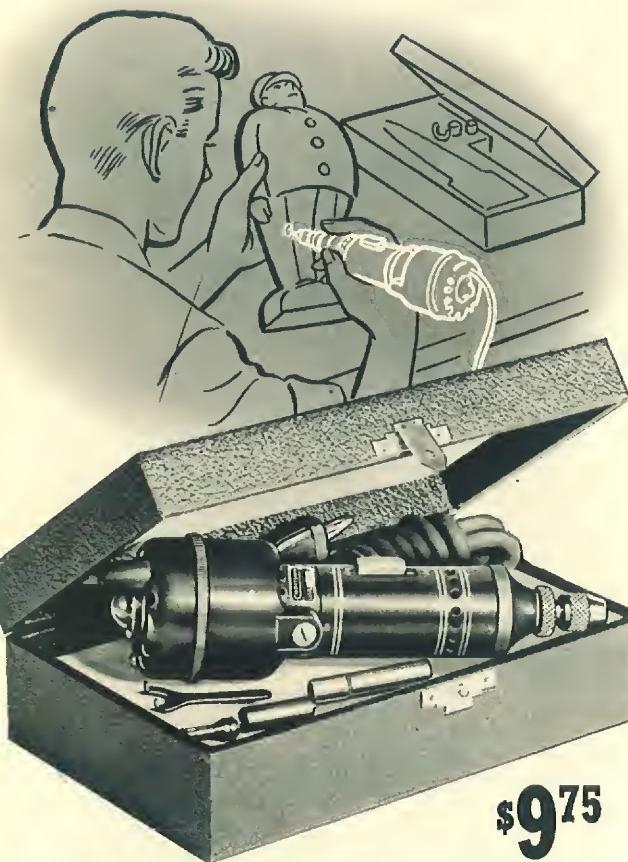


**\$16.50**

EVERY CRAFTSMAN

NEEDS A

# CRAFTY

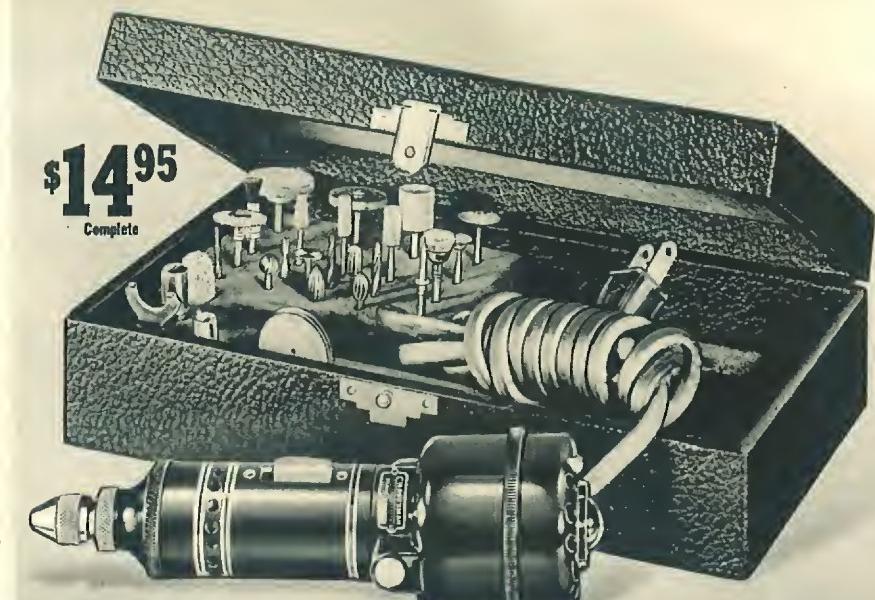


\$9.75

## FOR SHOP OR HOME

This outfit is particularly designed for the man who wants to use the CRAFTY only for certain types of work. It is exactly the same fine tool as described at right, but without the 26 accessories. You can buy any combination of the accessories shown below, depending on the type of work you wish to do. Or you can buy the sets of grinders or carvers shown on the opposite page. Complete with chuck wrench, collet chuck, socket wrench, set of replacement brushes, cord and plug, and handy box. For complete specifications see table on opposite page. Shipping weight, 1 pound 8 ounces.

9 PT 2650.....\$9.75



## CRAFTY . . . THE UNIVERSAL TOOL



Tool and die makers will find this tool unequalled for grinding dies, etc.



Wood carving is done easier, faster and BETTER with this tool.



Use it on all kinds of materials, including metals, wood and glass.

- Does drilling, grinding, carving, polishing, engraving, sawing, sanding, cutting, routing, etc.
- New, built-in condenser! No radio interference!
- Has 50% more power than comparable rotary tools
- 18,000 R.P.M. Universal motor for A.C. or D.C.
- Comes complete with 26 handy accessories

When we introduced the CRAFTY last year, the results were amazing! Overnight it became one of the greatest successes we've EVER had in power tools! We couldn't keep up with orders! Literally thousands were sold.

And NOW this new 1940 model is even better! NOW it has a built-in condenser to eliminate all radio interference—a feature you'll find in no other rotary tool elsewhere at any price . . . NOW it has new refinements of design and construction for smoother operation and higher speed!

It actually has 50% more power than similar tools selling at MUCH higher prices! Has extra heavy field coils—improved fan cooling system—grease packed precision ball bearing in front—self-aligning rear bronze bearing—and convenient toggle switch.

It's a whole shop full of tools in one! Has hundreds and hundreds of uses . . . in every shop . . . in every tool room . . . in every line of industry. Use it for accurate drilling, carving, grinding, polishing, engraving, sawing, sanding, cutting, routing, etc. Use it on wood, metal, glass, plastics, or anything that can be machined.

Complete with 26 accessories. Set includes 6 grinding stones, 5 cutters, 3 drills, brushes, saws, polishing accessories, etc., chuck wrench, collet chuck, socket wrench, emery wheel dresser, set of replacement brushes, rubber covered cord and plug, and heavy wood box. For A.C. or D.C., 25 to 60 cycles. See table on opposite page for detailed specifications. Shpg. wt., 2 lbs. 10 oz.

9 PT 2651—Complete with accessories .....\$14.95

## ACCESSORIES

FOR

## CRAFTY

- |   |   |  |   |  |
|---|---|--|---|--|
| (A) 9 PT 2670—Oblong cutter. $\frac{1}{16}$ -in. diam.; $\frac{3}{8}$ -in. long.....59c | (D) 9 PT 2672—Cone cutter. Diam. $\frac{1}{2}$ -in. 59c                             | (G) 9 PT 2837—Pointed cutter. $\frac{1}{16}$ -in. diam. 59c              | (K) 9 PT 2684—High speed drill. $\frac{1}{16}$ -in. diam. 19c | (N) 9 PT 2795—Shaping cutter. $\frac{1}{4}$ -in. high. 49c |
| (B) 9 PT 2836—Ball cutter. Diam. $\frac{1}{16}$ in. 59c                                 | (E) 9 PT 2673—Oval cutter. Diam. $\frac{1}{2}$ -in. 59c                             | (H) 9 PT 2656—Saw and mandrel. .032 thick. $\frac{1}{16}$ in. diam. 69c  | (L) 9 PT 2685—High speed drill. $\frac{1}{16}$ -in. diam. 19c | (P) 9 PT 2796—Shaping cutter. $\frac{1}{4}$ -in. high. 49c |
| (C) 9 PT 2671—Ball cutter. Diam. $\frac{1}{2}$ -in. 59c                                 | (F) 9 PT 2674—Flat cutter. $\frac{3}{16}$ in. diam. $\frac{1}{16}$ in. long.....59c | (J) 9 PT 2689—Saw blade only, less mandrel. $\frac{1}{16}$ in. diam. 45c | (M) 9 PT 2686—High speed drill. $\frac{1}{16}$ -in. diam. 19c | (R) 9 PT 2797—Shaping cutter. $\frac{1}{4}$ -in. high. 49c |



- (A) 9 PT 2653—Mounted emery wheel. 1-in. diam.  $\frac{1}{4}$ -in. thick. 29c  
 (B) 9 PT 2654—Mounted emery wheel.  $\frac{1}{2}$ -in. diam.  $\frac{1}{2}$ -in. long. 29c  
 (C) 9 PT 2675—Mounted emery wheel.  $\frac{1}{16}$ -in. diam. ....29c  
 (D) 9 PT 2676— $\frac{1}{4}$ -inch taper mounted emery wheel.....29c

- (E) 9 PT 2677—Mounted emery wheel.  $\frac{3}{16}$ -in. diam.;  $\frac{1}{2}$ -in. long.....29c  
 (F) 9 PT 2678—Mounted emery wheel.  $\frac{1}{4}$ -in. diam.;  $\frac{1}{2}$ -in. long 29c  
 (G) 9 PT 2831—Tapered stone.  $\frac{1}{4}$ -in. diam.  $\frac{1}{16}$ -in. long.....29c  
 (H) 9 PT 2832—Pointed stone.  $\frac{1}{4}$ -in. diam.;  $\frac{1}{4}$ -in. long.....29c

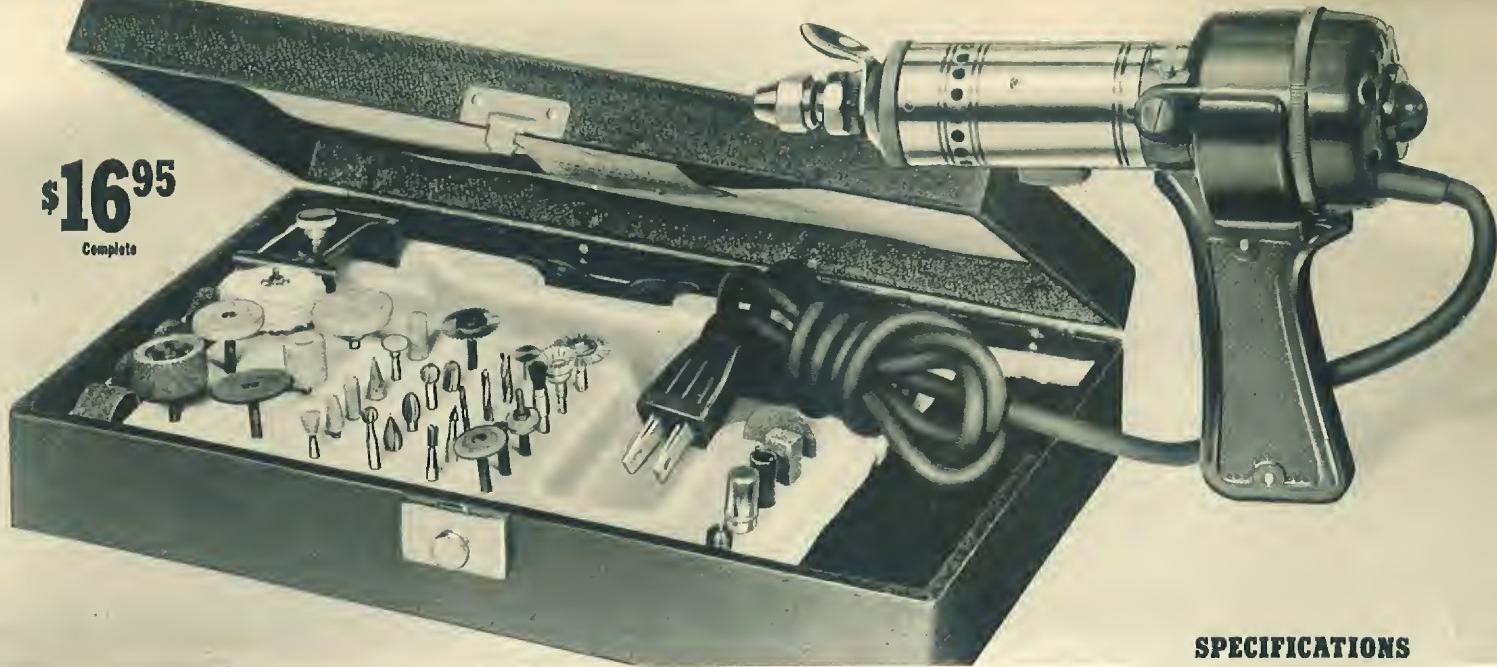
- (I) 9 PT 2687—Buffing wheel. 1-inch diameter.....10c  
 (K) 9 PT 2658—Felt buffer. 1-inch diameter.....10c  
 (L) 9 PT 2655—Rubber bonded polishing wheel.  $\frac{1}{4}$ -in. wide.  $\frac{1}{16}$  in. thick.....10c  
 (M) 9 PT 2682—Knife edge rubber taper wheel.  $\frac{1}{4}$ -in. diam. ....10c

- (N) 9 PT 2679—Gray bristle brush.  $\frac{1}{4}$ -in. diam.....10c  
 (P) 9 PT 2680—Cup type bristle brush.  $\frac{1}{2}$ -inch diam.....10c  
 (R) 9 PT 2681—Mounted porte polishing brush.  $\frac{1}{4}$ -in. diam. 10c  
 (S) 9 PT 2696—Mounted sanding drum assembly.  $\frac{3}{4}$ -in. diam.....35c

- (T) 9 PT 2699—4 sanding drum sleeves.  $\frac{3}{4}$ -in. diam.....19c  
 (U) 9 PT 2683—4 carbondum discs. Diam. 1 in.;  $\frac{1}{16}$ -in. thick.  $\frac{1}{16}$  in. hole.....10c  
 (V) 9 PT 2666—Nut and collar type mandrel. ....15c  
 (W) 9 PT 2667—Screw-in type mandrel.....10c

Shipping weight of all the accessories shown above, each, 2 ounces.

**\$16<sup>95</sup>**  
Complete



## CRAFTY DELUXE . . JACK OF ALL TRADES

- Removable pistol grip for ease in handling
- Finger rest over chuck helps control tool more exactly
- Hexagon chuck assures positive locking and accurate alignment
- Condenser stops radio interference
- Gauge and rip fence—new accessories—deluxe fittings

New! The Deluxe CRAFTY! Never before has there been a rotary tool like this—at ANY price! You'd expect to pay at least \$30.00 for this quality! All the fine features which have made our standard CRAFTY so tremendously popular—and in addition, it has many extra exclusive features, refinements of design, and added accessories which make it even more outstanding in its field!

The sensational new pistol grip is much handier for drilling and many other uses. It may be easily removed for getting into close quarters . . . New finger rest over chuck helps operator to control tool more exactly . . . New exclusive built-in condenser positively eliminates all radio interference . . . New hexagon type chuck with improved collet insert insures more perfect alignment and better locking of accessories . . . New gauge may be fitted on nose of tool to act as ripping guide . . . New polished alu-

minum barrel . . . New bigger and heavier box with piano type hinges and snap catch . . . New bigger assortment of accessories gives the Deluxe CRAFTY even greater versatility and usefulness.

You can't realize the hundreds of uses for CRAFTY until you have owned one! Comes complete with 35 accessories. Includes all those shown on bottom of opposite page (except the 3 shaping cutters and felt buffering wheel) 2 chuck wrenches, collet chuck, socket wrench, emery wheel dresser, set of replacement brushes, cord and plug, and box. Shipping weight, 3 pounds 4 ounces.

9 PT 2652—Complete with accessories.....\$16.95

9 PT 2842—Pistol grip assembly only, for any model CRAFTY. Shipping weight, 8 ounces....69c

9 PT 2843—Gauge and rip guide only, for any model CRAFTY equipped with finger rest. Shipping weight, 4 ounces.....29c

## SPECIFICATIONS

Over-all Length	7 in.
Extreme Diameter	2 in.
Barrel Diameter	1 1/4 in.
Bearings	1 bronze; 1 New Departure ball
Collets	1/4 and 5/8 in.
Speed	18,000 R.P.M.
Motor	Universal for 110-volt A.C. or D.C., 25 to 60 cycles
Maximum Output	15 Watts
Insulation	Tested at 1000 volts
Condenser	Built-in
Switch	Special design; positive break
Brushes	Large size carbon; replaceable from outside
Fan	Induction rotor; 4-blade.



**Cutters and Grinders**

**\$159**  
Buy your cutters and carvers in sets and save more. These sets come in handy wood boxes for easy selection (box covers are not shown).

(A) 9 PT 2647—Set of six carving cutters. Includes A, C, D, E, F, and H in top row of CRAFTY accessories on the opposite page. Shipping weight, 10 ounces.....\$3.25

(B) 9 PT 2648—Set of six grinding wheels. Includes A, B, C, D, E, F, in bottom row of CRAFTY accessories on the opposite page. Shipping weight, 14 ounces.....\$1.59

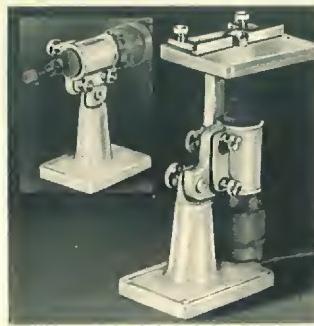


**Router Stand**

**\$185**  
With this efficient device, you can easily convert your CRAFTY into an accurate router. The CRAFTY is firmly fastened in the barrel, which is mounted on a rugged steel column. Locking device makes it possible to adjust the tool for the desired depth of cut. Entire tool may be moved about to follow a pattern on surface of work.

Ideal for making fine inlays and doing other types of routing work. The smooth face on the bottom of the stand makes it easy to follow a pattern. Use it to put the finishing touch on a fine piece of cabinet work. May be used with any model of the CRAFTY. Shipping weight, 3 pounds.

9 PT 2846—Router stand only, without CRAFTY.....\$1.85



**Shaping and Grinding Stand**

**\$345**  
This is actually two tools in one! May be used as an efficient shaper in the position shown. Or table may be removed and barrel tilted to any desired position for grinding, carving or polishing at the most convenient angle.

Sturdy gray iron construction with carefully ground table. Adjustable fence is locked with two screws for greater rigidity. Table may be adjusted to any desired height and locked into position to adjust the cutter with relation to the work to get the desired cut.

This is an ideal tool for model makers, as it makes it so easy to do many fine shaping operations, such as delicate moldings, etc. May be used with any model of the CRAFTY. Shipping weight, 4 pounds 6 ounces.

9 PT 2845—Shaping and grinding stand without CRAFTY.....\$3.45

## CRAFTY DRILL STAND

It's impossible to realize what a fine little drill press this stand makes

**\$495**

until you see it! It's actually superior to similar outfitts selling for more than three times as much! Just fasten your CRAFTY firmly in position in the barrel with two easy-acting screws—and you're all set to go to work on hundreds of different kinds of intricate drilling jobs and other fine work.

Has heavy gray iron base, table and head. Base and base are accurately ground and slotted—are rectangular in shape to give the best possible support to the work. Base serves as an auxiliary table. Table locks securely to heavy steel column at any desired height for greater convenience in operation in handling different jobs.

Has rack and pinion spring loaded feed which makes it possible to feed the drill very accurately. Stop device permits you to drill a series of holes to the same depth. May be used with any model of the CRAFTY. Shipping weight, 5 pounds 6 ounces.

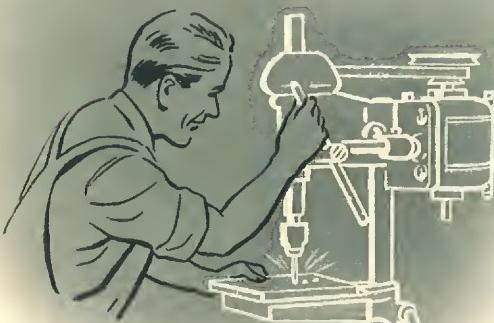
9 PT 2848—Drill stand only without CRAFTY.....\$4.95



Easy  
Terms!  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

# ACCURATE DRILL PRESSES

BUILT FOR SERVICE



**1/2-INCH CAPACITY**

## COMPANION

- Drills to center of 12-inch circle
- Ball thrust bearing for smooth operation
- Equipped with bronze spindle bearings
- Has  $\frac{1}{2}$ -inch capacity 3-jaw chuck

Don't be misled by the price of this **COMPANION** Drill Press! It has the same rugged quality—the same fine features—the same smooth operation you'd expect to find only in drill presses selling at MUCH higher prices!

Capable of handling mortising, carving, routing, and occasional shaping jobs as well as drilling, with the proper attachments (shown on page 32). Uses standard mortising housing. Range of 7 speeds allows efficient work to be done on either metal or wood. Ground steel spindle runs in bronze bearings and is cushioned against thrust by ball thrust bearing. Accurately ground table has diagonal slots to simplify adjusting attachments. Base serves as an auxiliary table. Steel quill is graduated 3 inches in  $\frac{1}{16}$ -inch divisions. Spindle has stop collar for drilling a series of holes to the same depth. "Feather-touch" clamp locks head to column.

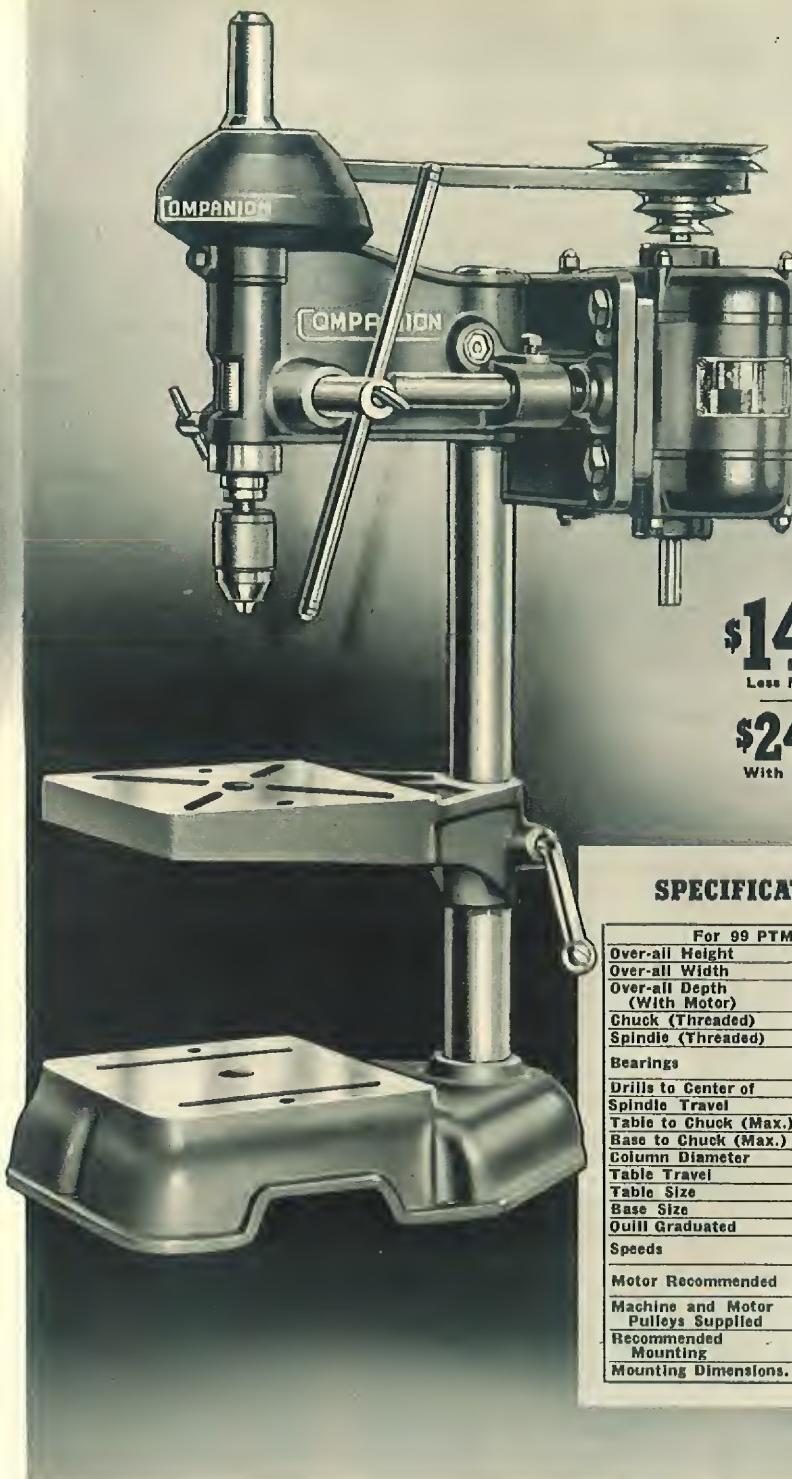
**99 PTM 2378**—Complete with V-belt, 4-step motor pulley, and  $\frac{1}{2}$ -inch 3-jaw chuck. Less motor. Equipped with motor bracket.

Shipping weight, 65 pounds.....\$14.95

**99 PTM 2373**—Same as above, except with **COMPANION**  $\frac{1}{3}$ -H.P. 110-volt 60-cycle ball bearing motor 99 PT 5620 on page 39.

Shipping weight, 102 pounds.....\$24.75

**99 PTM 2369**—Same as 99 PTM 2378, but with  $\frac{1}{16}$  to  $\frac{1}{2}$ -inch Jacobs' chuck on tapered spindle. Less motor. Shpg. wt., 66 lbs.....\$18.95



## SPECIFICATIONS

For 99 PTM 2378	
Over-all Height	30 $\frac{1}{2}$ in.
Over-all Width	9 $\frac{1}{2}$ in.
Over-all Depth (With Motor)	24 in.
Chuck (Threaded)	$\frac{1}{2}$ -in.
Spindle (Threaded)	6-splined
Bearings	3 bronze; 1 ball thrust
Drills to Center of Spindle Travel	12-in. circle
Table to Chuck (Max.)	3-in.
Base to Chuck (Max.)	8 $\frac{1}{2}$ in.
Column Diameter	1 $\frac{1}{2}$ -in.
Table Travel	8 $\frac{1}{2}$ in.
Table Size	7 $\frac{1}{2}$ x7 $\frac{1}{2}$ in.
Base Size	7 $\frac{1}{2}$ x7 $\frac{1}{2}$ in.
Quill Graduated	0 to 3 in.
Speeds	9 1/750 to 4000 R.P.M.
Motor Recommended	$\frac{1}{3}$ -H.P., 1750 R.P.M.
Machine and Motor Pulleys Supplied	4-step, 4-in.
Recommended Mounting	99 PTM 2790, metal stand
Mounting Dimensions	7 $\frac{3}{4}$ x13 $\frac{1}{2}$ in.

## COMPANION $\frac{3}{8}$ -INCH CAPACITY

- Drills to the center of an 8-inch circle
- High grade auto-lubricating bronze bearings
- Ball thrust bearing in head absorbs spindle thrust to assure smooth accurate operation
- Sensitive hand lever feed—spring loaded
- Equipped with quick-adjusting idler pulleys

New! Greatly improved! We've never sold so fine a drill press at this price before! It's a small utility drill built with same rugged column construction as our bigger and higher priced drills. It's large enough to handle most of your drilling jobs.

Easily handles both metal and wood. The auto-lubricating bronze bearings insure smooth operation and long life. Has adjustable drill head and table. 3-speed, 3-inch cone drive pulley on spindle is covered by safety-guard. Has 5-inch square table to give firm support to work.

Husky 6 $\frac{1}{2}$ x10-inch square base. Full  $\frac{1}{4}$ -inch spindle is reduced to  $\frac{1}{2}$ -inch at chuck. Sturdy column is ground steel, 1 inch in diameter, 21 inches long. Accurately machined chuck takes drills up to  $\frac{1}{2}$ -inch. 1 $\frac{1}{4}$ -inch spindle travel. Complete with adjustable idler drive and spring loaded feed lever. Over-all height, 30 in.; width, 6 $\frac{1}{4}$  in.; depth, 13 $\frac{1}{4}$  in.

99 PT 2363—Shipping weight, 20 pounds.....\$6.95

**\$6.95**



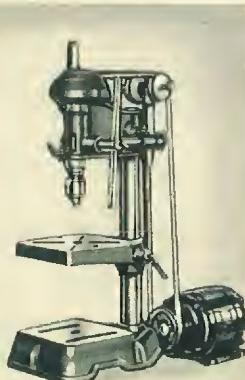
### COMPANION Drill Press

With Idler Drive

COMPANION Drill Press 99 PTM 2378 described above, but equipped with idler drive instead of motor bracket. The idler drive makes it possible to drive the drill press from a line shaft or jack shaft instead of using an individual motor. The idler drive assembly includes V-belt, idler pulleys, idler shaft and support. Shpg. wt., 62 lbs.

99 PTM 2364.....\$16.45

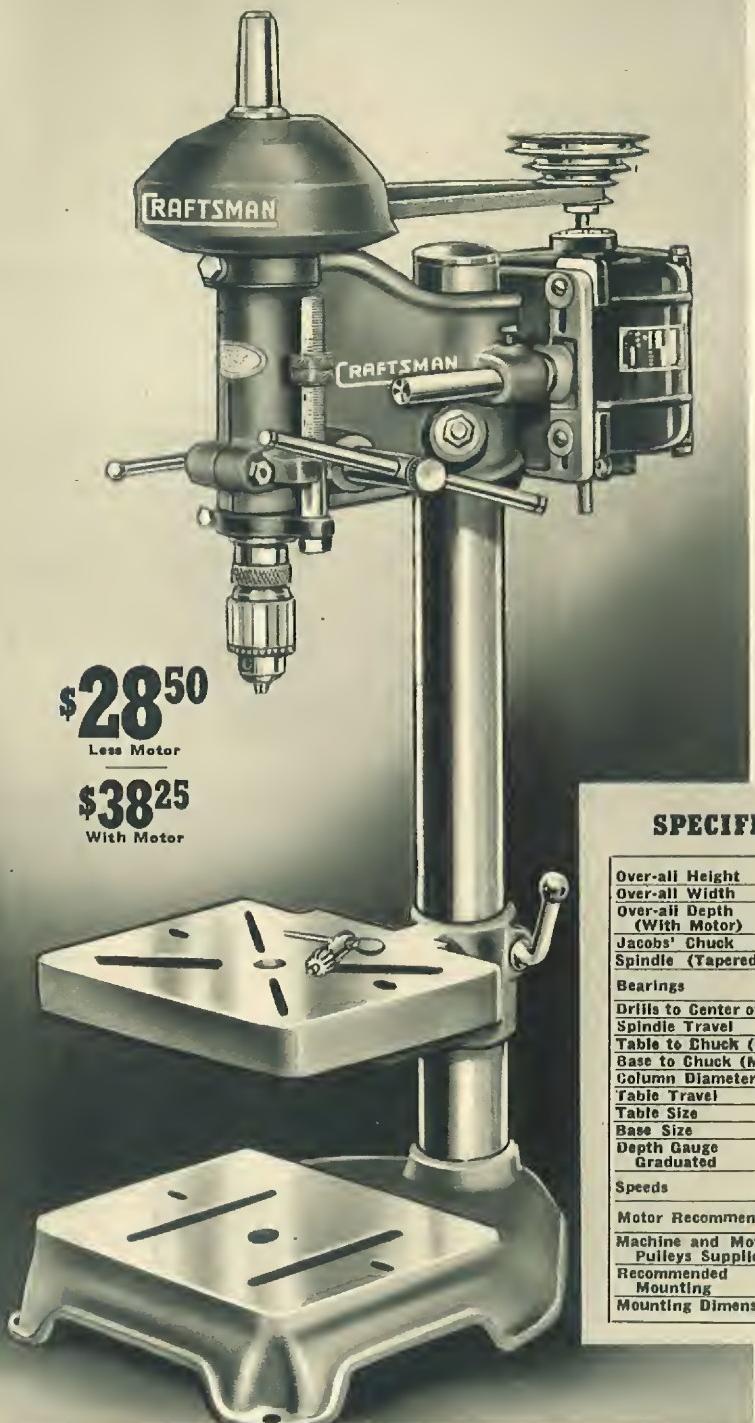
99 PT 2371—Belt and complete idler assembly only. (No credit for return of old motor bracket). Shipping weight, 7 lbs. ....\$3.60



**ALL PURPOSE**

# CRAFTSMAN

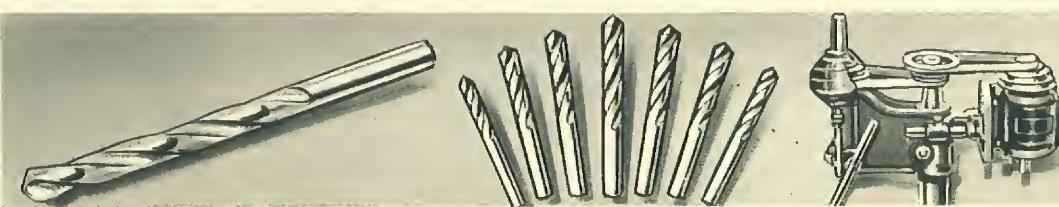
REG. U. S. PAT. OFF.



## SPECIFICATIONS

Over-all Height	35 $\frac{1}{2}$ in.
Over-all Width	11 $\frac{1}{4}$ in.
Over-all Depth (With Motor)	24 in.
Jacobs' Chuck	$\frac{1}{2}$ to $\frac{1}{2}$ in.
Spindle (Tapered)	6-spline
Bearings	3 SKF (one double row.)
Drills to Center of Spindle Travel	12 $\frac{1}{2}$ in. circ.
Table to Chuck (Max.)	3 in.
Base to Chuck (Max.)	9 $\frac{1}{2}$ in.
Column Diameter	13 $\frac{1}{2}$ in.
Table Travel	2 $\frac{1}{4}$ in.
Table Size	9 $\frac{1}{2}$ in.
Base Size	8 x 9 in.
Depth Gauge Graduated	0 to 4 in.; $\frac{1}{16}$ -in. div.
Speeds	9: 580 to 5200 R.P.M.
Motor Recommended	$\frac{1}{2}$ or $\frac{1}{3}$ -H.P., 1750 R.P.M.
Machine and Motor Pulleys Supplied	4-step, 5-in.
Recommended Mounting	99 PTM 2790, metal stand
Mounting Dimensions	9 $\frac{1}{2}$ x 14 $\frac{1}{2}$ in.

Easy Terms!  
ON ORDERS OF  
\$10 OR MORE  
+SEE INSIDE  
FRONT COVER



### CRAFTSMAN Twist Drills

**FineST QUALITY!** Properly tempered, accurately ground. Use carbon steel for slow speed drilling; high speed for electric drills and drill presses. **State size.**

Diam. In.	Shpg. Wt.	9 PT 6598 Carbon Steel	9 PT 6599 High Speed Steel	Diam. In.	Shpg. Wt.	9 PT 6598 Carbon Steel	9 PT 6599 High Speed Steel
1/16	1 oz.	8c	16c	1/16	1 oz.	11c	27c
3/64	1 oz.	9c	17c	3/32	1 oz.	14c	33c
1/32	1 oz.	9c	16c	1/16	2 oz.	16c	40c
7/64	1 oz.	9c	20c	5/32	2 oz.	23c	55c
1/16	10c	21c	24c	3/16	3 oz.	30c	75c
5/64	1 oz.	10c	22c	7/16	4 oz.	43c	...
3/32	1 oz.	10c	23c	5/16	5 oz.	60c	...

### Twist Drill Sets

CRAFTSMAN quality! Handy container included. Sets include  $\frac{1}{16}$ ,  $\frac{3}{64}$ ,  $\frac{1}{32}$ ,  $\frac{5}{32}$ ,  $\frac{7}{64}$  and  $\frac{3}{32}$ -in. sizes. Use carbon steel drills for slow speed drilling; high speed drills in electric drills and drill presses. Shipping weight, 6 ounces.

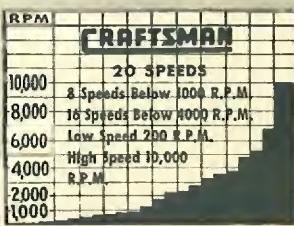
9 PT 6685—Set of 7 carbon steel drills.....75c

9 PT 6686—Set of 7 high speed steel drills.....\$1.75

### Multi-Speed Attachment

Install one of these on your CRAFTSMAN drill and handle any job efficiently—regardless of the speed required. Slows down drill for proper drilling in metal and speeds up R.P.M. for correct efficient routing. (See chart at right.) Use  $\frac{1}{2}$ -H.P. motor, 1750 R.P.M., for high speeds.  $\frac{1}{3}$ -H.P. is adequate for regular and low speeds. U. S. Patent Number 203704. Shipping weight, 5 pounds.

9 PT 2397—Variable speed attachment and 2 Vee belts, ready to use.....\$5.60



### Notice Speed Range!

The CRAFTSMAN Drill Press fitted with our patented multi-speed attachment at left will provide 20 different speeds ranging from 200 R.P.M. (half the speed of ordinary slow speed drill presses) to over 10,000 R.P.M. The RIGHT speed for every job! That means better results!

- Sears exclusive "floating drive" spindle assembly absorbs all belt pull—eliminates all "whip"
- Three sets of **SKF** ball bearings (one double row); actually four rows of ball bearings
- Spindle FLOATS FREE, entirely independent of pulley—double bearing takes belt pull for smooth operation
- $\frac{1}{8}$ -inch six-splined spindle carries  $\frac{1}{16}$  to  $\frac{1}{2}$ -inch capacity Jacobs' chuck.
- Full range of 9 speeds—600 to 5200 R.P.M.
- Drills to the center of a 12 $\frac{1}{4}$ -inch circle

Here's an outstanding example of the great values Sears offer in the power tool field! This drill incorporates all the basic features of fine drill press design. Be sure that your drill press has these two very important features—(1) **SKF** ball bearing construction, and (2) a genuine Jacobs' chuck! In addition, this **CRAFTSMAN** drill press has the famous **CRAFTSMAN** "floating drive" spindle assembly!

Sears "floating drive" removes drill press vibration, which sometimes occurs at high speeds, by eliminating the side-pull of the belt on the spindle. In Sears drive, the pulley is mounted on a long steel sleeve which is in turn mounted on a double row **SKF** ball bearing accurately fitted into the drill head. Mounted independently of the spindle, the pulley transmits no side pull to it! This basic **CRAFTSMAN** improvement produces drill presses that stand out because of their smooth, efficient performance—even at high speeds!

### Five Machines in One!

The **CRAFTSMAN** drill press is really five machines in one! With the proper attachments (shown on page 32) you can easily convert this drill press into an efficient spindle shaper—or use it for mortising, routing, sanding and dovetailing with equally fine results. This will enable the amateur to turn out work stamped with the true professional touch . . . beautiful mortise jobs . . . snug-fitting dovetailed joints . . . clear-cut relief carving . . . fine inlay work.

The **CRAFTSMAN** drill handles either metal or wood. Smooth, uniform feeding is assured by the heavy, ground steel quill with integral, accurately cut teeth. "Feather-touch" quill lock is provided. Improved table with diagonal slots can be tilted to any angle. The heavy base is machined to serve as an auxiliary table; it is slotted for attachments. A quickly adjustable stop gauge indicates at all times the depth of holes being drilled. Has tapered spindle.

99 PTM 2380—**CRAFTSMAN** Drill Press without motor. With Jacobs' chuck and key, V-belt and motor pulley. Shpg. wt., 85 lbs.....\$28.50

99 PTM 2385—Same as above, but with  $\frac{1}{3}$ -H.P. ball bearing double shaft motor No. 99 PT 5620 on page 39. Shpg. wt., 112 lbs.....\$38.25

# HEAVY DUTY CRAFTSMAN

REG. U. S. PAT. OFF.

## SPECIFICATIONS

Over-all Height	39½ in.
Over-all Width	12½ in.
Over-all Depth (With motor)	26 in.
Chuck	Jacobs'; 0 to ½ in.
Spindle (Tapered)	6-spline
Bearings	4; SKF ball
Drills to Center of	15-in. circle
Spindle Travel	4 in.
Table to Chuck (Maximum)	11 in.
Base to Chuck (Maximum)	16 in.
Column Diameter (Outside)	2¾ in.
Table Travel	11 in.
Table Size	10 x 10 in. (Ground finish)
Base Size	10 x 10 in. (Ground finish)
Depth Gauge Graduated	0 to 4 inches in ¼-in. divisions.
Speeds	9: 600 to 5200 R.P.M.
Motor	½-H.P. or ½-H.P., 1750 R.P.M. motor
Machine Pulley Supplied	4-step; 5-in.
Motor Pulley Supplied	4-step; 5-in.
Mounting Dimensions (From center of holes in base)	10½ x 17 in.



## BENCH MODEL

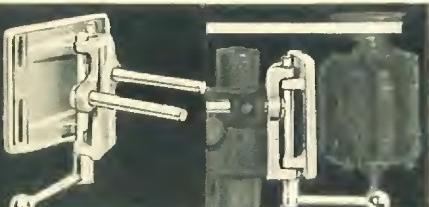
Exactly the same fine features . . . the same rugged, heavy duty construction . . . the same sensational "Floating Drive" as in the **CRAFTSMAN** floor type heavy duty drill press on the opposite page—but in a bench type model. It's by far our finest bench type drill press!

The "Floating Drive" construction is a basic improvement that produces in the **CRAFTSMAN** heavy duty drill presses the finest, smoothest, most accurate operation it is possible to obtain. The drive pulley is mounted on a heavy tubular steel spindle which is supported on two sets of heavy duty deep-row **SKF** ball bearings in the drill head — *entirely independent from the spindle*. This unit absorbs all the side pull from the belt and transmits *only* a turning force to the spindle. The spindle itself is also mounted on two sets of heavy duty deep-row **SKF** ball bearings within the quill, as shown in the small illustration at right.

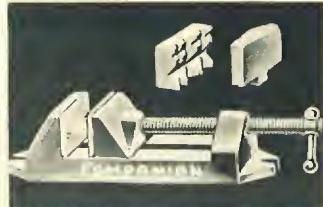
99 PTM 2407—CRAFTSMAN Heavy Duty Bench Model Drill Press with motor pulley, belt, and 0 to ½-in. Jacob's chuck. Shpg. wt., 115 lbs. .... \$36.50

*Easy Terms!*  
ON ORDERS OF  
\$10 OR MORE  
\*SEE INSIDE  
FRONT COVER

99 PTM 2388—As above, complete with ½-H.P. 110-120 volt, 60-cycle A.C. motor. Shipping weight, 147 pounds. .... \$46.25



Belt Tension Release

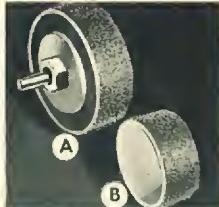


COMPANION Drill Vise

Replaces regular motor base. Enables entire motor to swing on pivot towards head, thus relieving belt tension. Single lever control. Makes it easy to release belt tension when necessary to change speeds. Shpg. wt., 12 lbs. 9 PT 2366—Belt release for 99 PTM 2380 (Page 29), 99 PTM 2407 (above), and 99 PTM 2392 (on opposite page) drill presses. less belt ..... \$3.45

9PT2757—½-inch by 45-inch V belt for use of belt release with any of above mentioned drill presses. Shipping weight, 7 ounces. 45c

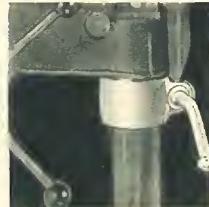
Insure accuracy with this vise by holding the work firmly in position while it is being drilled or worked on. Makes working with small pieces more convenient. Oxidized, non-rusting finish. Accurately cut screw with knurled end for fast action and bar for locking. 2½ in. jaws open 3 in. Over-all length, 10½ in. Complete with 2 extra jaws, one for round or irregular work and swivel jaw for tapered pieces. 9 PT 2436—Shpg. wt., 4 lbs .. \$1.95



Sanding Drum



Tapered Adapter



Drill Press Collar

(A) Has ½-in. shaft. Use in collet chuck. 1 in. wide. **State diameter.**  
1½-in. diameter ..... 39c  
2½-in. diameter ..... 69c  
3 -in. diameter ..... 95c  
(B) Replacement sanding sleeves. Fine or coarse. Package of 6. **State grit and diameter.**  
9 PT 2442—Shpg. wt., 3 oz.  
1½-in. diameter, 6 for .. 39c  
2½-in. diameter, 6 for .. 39c  
3 -in. diameter, 6 for .. 49c

For drill presses on Pages 30 and 31 or any drill with a 2¾-inch column. Locks on column under head. Supports the head when clamp is released. Makes it easy to swing the head around for working at different points over the table. Shipping weight, 4 pounds 8 ounces. 9 PT 2429.....\$1.45

# DRILL PRESSES



**\$4150**  
99 PTM 2392

**\$5100**  
99 PTM 2393

Every year more and more large industrial plants are installing CRAFTSMAN drill presses. They stand the steady, grueling, day-after-day grind—meeting the exacting demands of production jobs which require the utmost in accuracy, versatility, and rugged, long-life construction. This is positive proof of their high quality!



## FLOOR MODEL

- Sears exclusive "Floating Drive" insures smoothest possible performance.
- Equipped with precision **SKF** ball bearings.
- $\frac{5}{8}$ -inch 6-splined automotive type spindle.
- 0 to  $\frac{1}{2}$ -inch Jacobs' key chuck.
- Drills to center of 15-inch circle.

On these two pages you will find Sears finest drill presses—marvels of precision construction and smooth, vibrationless performance! There's no finer power tool engineering on the market today!

Notice that this husky floor type model is almost 6 feet high! Has Sears great "Floating Drive" spindle assembly to assure the finest possible drill press performance (see opposite page for description). Handles, shaping, mortising, routing, sanding and dovetailing with proper attachments (shown on Page 32). Handles either metal or wood. Table may be tilted to any angle. Accurate depth gauge is graduated for entire 4-inch feed range in  $\frac{1}{16}$ -inch divisions. Spring tension on chuck return has ratchet adjustment for different types of work such as with large or small drills.

**99 PTM 2392**—CRAFTSMAN Heavy Duty Floor Type Drill Press with motor pulley, belt, and 0 to  $\frac{1}{2}$ -inch Jacobs' chuck. Standard pulley guard as shown on 99 PTM 2407 on opposite page. Less motor. Shipping weight, 150 lbs. .... \$41.50

**99 PTM 2393**—Same as above, but with 99 PT 5820 COMPANION  $\frac{1}{2}$ -H.P. ball bearing 110-120 volt, 60-cycle A.C. motor. (See Page 39). Shipping weight, 180 pounds. .... \$51.00

**99 PTM 2399**—Same as 99 PTM 2392 but equipped with new streamlined belt and pulley guard. Without motor. Shipping weight, 170 pounds. .... \$49.50

**99 PTM 2390**—Same as 99 PTM 2392 but equipped with new streamlined belt and pulley guard and COMPANION  $\frac{1}{2}$ -H.P. ball-bearing 110-120 volt, 60-cycle A.C. motor. Shipping weight, 200 pounds. .... \$59.50

**Belt and Pulley Guard.** Made of aluminum and hinged at the side to make pulleys and belts accessible for speed changes. Required by many industrial safety codes. Fits bench or floor model. Shipping weight, 9 pounds.

**9 PT 2398**..... \$9.00

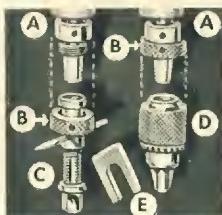
## SPECIFICATIONS

Over-all Height	71 in.
Over-all Width	17 $\frac{1}{4}$ in.
Over-all Depth (With motor)	26 in.
Chuck	Jacobs'; 0 to $\frac{1}{2}$ in.
Spindle (Tapered)	6-spline
Bearings	4; SKF ball
Drills to Center of	15-in. circle
Spindle Travel	4 in.
Table to Chuck (Maximum)	41 in.
Base to Chuck (Maximum)	47 in.
Column Diam. (Outside)	2 $\frac{1}{4}$ in.
Table Travel	41 in.
Table	10 x 10 in. (Ground finish)
Base	17 $\frac{1}{2}$ x 24 in. (Slotted but not ground)
Depth Gauge Graduated	0 to 4 inches in $\frac{1}{16}$ -in. divisions
Speeds	9: 600 to 5200 R.P.M.
Motor Recommended	$\frac{1}{2}$ -H.P. or $\frac{1}{2}$ -H.P., 1750 R.P.M.
Machine Pulley Supplied	4-step, 5-in.
Motor Pulley Supplied	4-step, 5-in.
Dimensions From Center of Holes in Base	10 $\frac{1}{2}$ x 17 in.



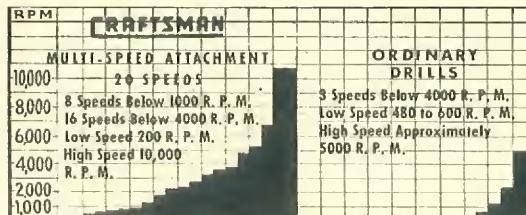
Drive Spindles

All Sears drill presses have automotive-type 6-splined drive spindles. These spindles eliminate excessive back lash or uneven pulling and transmit power smoothly. Although more expensive than the key and keyway type, the splined spindle more than repays the difference in increased efficiency and longer life.



Tapered Spindles

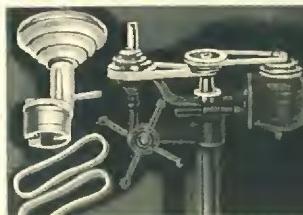
Lower end of (A) is tapered to accommodate Jacob's chucks, collet chucks, shaping adapters, etc. Wedge (E) may be used to remove chuck (D). The knurled ring (B) is threaded inside and must be used to lock shaper adapter (C) or collet chucks in place on the spindle. For routing use collet chuck.



Proper Drill Speed For Every Job

The many uses of CRAFTSMAN drills call for a wide range of speeds. Our patented multi-speed attachment (illustrated at the right) will convert a 9 or 10-speed CRAFTSMAN drill press into a twenty-speed drill. Of these 20 speeds, 8 are from 200 R.P.M. up to 1,000 R.P.M., a complete range for the low speeds required for metal drilling even with  $\frac{1}{2}$ -in. drills. The other speeds are from 1,000 up to 10,000 R.P.M.—offering the correct speed for wood drilling, shaping, routing, carving, etc.

With a speed range starting at half the R.P.M. of the ordinary slow speed drill up to 10,000 R.P.M., your drill can handle almost any job and can handle it at the proper speed for the cutter being used.

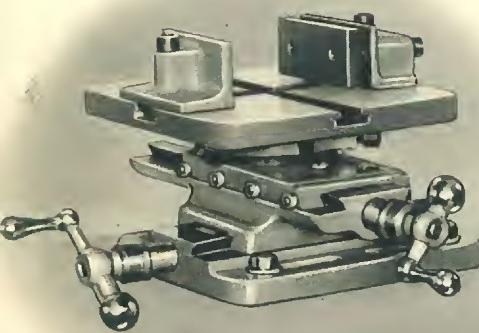
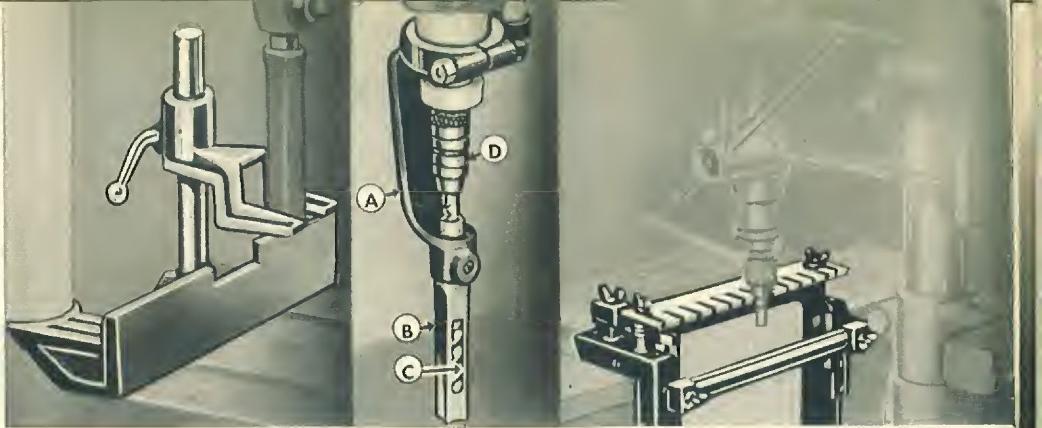


Multi-Speed Attachment

The right speed for every job! The chart at left shows how the CRAFTSMAN multi-speed attachment (Pat. No. 2073704) enables you to get the most out of your drill. Finest ball bearing construction, designed so belt tensions are easily adjusted. If used to secure high speeds, we recommend  $\frac{1}{2}$ -H.P. 1750 R.P.M. motor (see Pages 38-39). Fits only on drill presses on Pages 30-31. Shpg. wt., 5 lbs. **9 PT 2394**..... \$5.75

# DRILL PRESS ACCESSORIES

FOR  
DOVETAILING  
AND MORTISING



## Drill Press Milling Vise

**\$18.95**

For doing accurate drilling and layout work; also for light milling. Clamps on drill press table. Base is graduated through 180 degrees—can be swiveled and locked at any angle. Work is locked on table between two adjustable jaws. By use of the two cross feed controls, work may be moved to any desired position. Equipped with dovetailed ways for smooth, accurate operation. Shipping weight, 18 pounds.

99 PT 2432.....\$18.95

**Collet Chuck.** Fits on tapered drill press spindle. Takes milling cutters with  $\frac{1}{2}$ -inch shank. Shipping weight, 6 ounces.

9 PT 2452.....95c

*Easy  
Terms!*  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

## Hold-Down Guide

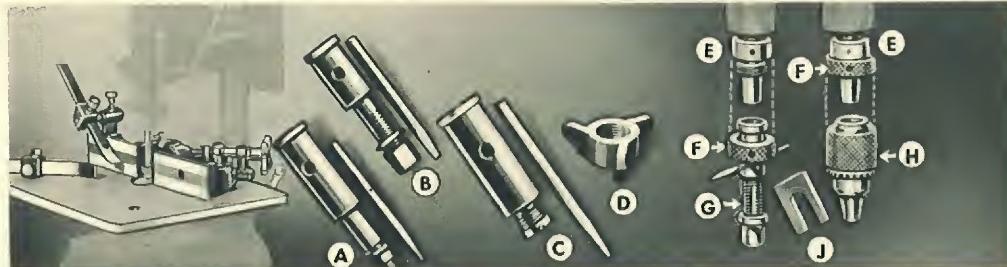
Indispensable in mortising as it prevents the work from being lifted when chisel is raised. Adjustable for thick or thin material. Keeps the work lined up. Bolts to drill press table. Fence part can be used without hold-down as a guide in routing inlay work, etc. Heavy gray iron construction. Fingers and bits below. Shpg. wt., 3 lbs. \$1.75

## Hollow Chisel Mortising

To cut square holes with drill press. ① 9 PT 2461—Mortising chisel housing. Mounts on quill of drill press. Used with collet chuck, chisels and bits below. Shpg. wt., 3 lbs. \$1.75  
② 9 PT 2420—Hollow chisel for 9 PT 2461.  $\frac{1}{4}$ ,  $\frac{3}{8}$ , and  $\frac{1}{2}$  in. State size. Shpg. wt., 4 oz. ....\$1.45  
③ 9 PT 2422—Mortising bit for 9 PT 2461.  $\frac{1}{4}$ ,  $\frac{3}{8}$  and  $\frac{1}{2}$  in. State size. Shpg. wt., 4 oz. ....\$1.25  
④ 9 PT 2450—Collet chuck for tapered spindle. Shipping weight, 6 ounces. ....95c  
9 PT 2451—Collet chuck for threaded spindle. Shpg. wt., 3 oz. ....70c  
9 PT 6458—Mounted grinding point for sharpening hollow chisels. Shipping wt., 3 oz. ....48c

## Dovetailing Attachment

To make perfect dovetail joints Both members are cut at same time. Attachment includes a steel comb, slotted to guide shank of router cutting to a predetermined depth. Complete with end plates, screw fittings and clamps for holding work and a  $\frac{1}{2}$ -in. dovetail router. Wood parts not supplied. Pieces to be dovetailed are held at right angles in clamp so cutter may be guided through one piece into the other. U.S. Pat. No. 1651510. 9 PT 2462—Dovetail attachment and instructions. Shpg. wt., 4 lbs. 1 oz. \$3.25



## Shaping Attachment

Large,  $1\frac{1}{2} \times 12$ -inch finely finished plywood base, fitted with adjustable guard and guide. Complete with hold-down clips and fittings. Shipping weight, 17 pounds.

99 PT 2430—Complete attachment for drill press. ....\$7.95  
9 PT 2428—Guard and guide only. Shipping weight, 4 pounds 12 ounces. ....\$2.85  
9 PT 2455—Spring clips only. Shipping weight, 3 pounds 14 ounces. ....\$1.60

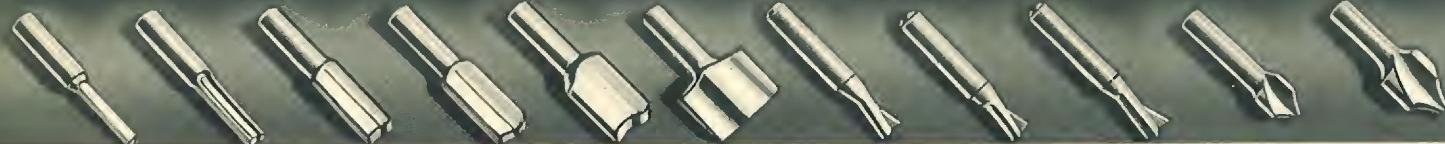
## Adapters and Cutters

Adapters are for tapered spindles. Mount as shown in illustration at right.  
Ⓐ Adapter for  $\frac{1}{2}$ -in. bore shaper cutters. Shipping weight, 7 ounces. ....\$1.25  
Ⓑ Adapter for  $\frac{1}{2}$ -in. bore shaper cutters. Shipping weight, 6 ounces. ....\$1.25  
Ⓒ Cutter for sash work. Shipping weight, 7 oz. ....85c  
Ⓓ Cutter for sash work. Shipping weight, 4 ounces. ....\$1.45

## Tapered Spindles

These tapered spindles on Sears drill presses are permanently installed by master mechanics. Lower end of spindle (E) is tapered below threaded part to handle all accessories. Wedge (J) may be used to remove spindle (H). Knobbed ring (F) is threaded inside fits on outside of collet chuck or shaper adapter (G); securely locks them in position. Always use the collet chuck when routing.

## ACCESSORIES FOR CRAFTSMAN SHAPERS . . . SEE PAGE II



Shipping weight of all accessories listed below is 6 ounces each, unless otherwise specified.

9 PT 2400 $\frac{1}{8}$ -inch Router 59c	9 PT 2401 $\frac{1}{4}$ -inch Router 65c	9 PT 2402 $\frac{3}{8}$ -inch Router 79c	9 PT 2403 $\frac{1}{2}$ -inch Router 89c	9 PT 2404 $\frac{5}{8}$ -inch Router \$1.00	9 PT 2405 1-inch Router \$1.25	9 PT 2409 $\frac{1}{2}$ -in. Dovetail Router 59c	9 PT 2410 $\frac{3}{8}$ -in. Dovetail Router 59c	9 PT 2411 $\frac{1}{2}$ -in. Dovetail Router 59c	9 PT 2415 $\frac{1}{2}$ -in. Carving Router Bit 95c	9 PT 2416 $\frac{3}{8}$ -in. Carving Router Bit \$1.00
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9 PT 2319 Fits $\frac{1}{2}$ -in. spindle. 85c	9 PT 2321 Fits $\frac{1}{2}$ -in. spindle. 85c	9 PT 2323 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2325 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2327 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2329 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2331 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2333 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2335 Fits $\frac{1}{2}$ -in. spindle. 95c	9 PT 2365—Tongue and groove. Fits $\frac{1}{2}$ -in. spindle. Shipping weight, 10 ounces. ....\$1.85
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Ⓐ 9 PT 2340 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓒ 9 PT 2344 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓔ 9 PT 2354 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓖ 9 PT 2359 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓛ 9 PT 2367 Shaper collars. Fit $\frac{1}{2}$ -inch spindle. ....\$1.29	Ⓜ 9 PT 2433 Adapter for small cutters.....35c	Ⓝ 9 PT 2345 Large size cutter. Fits $\frac{1}{2}$ -in. spindle.....\$1.60	Ⓡ 9 PT 2347 Large size cutter. Fits $\frac{1}{2}$ -in. spindle.....\$1.60
Ⓑ 9 PT 2342 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓓ 9 PT 2350 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓔ 9 PT 2356 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓗ 9 PT 2362 Fits $\frac{3}{16}$ -in. spindle 59c	Ⓛ 9 PT 2368 Shaper collars. Fit $\frac{1}{2}$ -inch spindle.....39c	Ⓜ 9 PT 2465 Cutter lock nut. Fits $\frac{1}{2}$ -in. spindle. Shpg. wt., 1 oz. 5c	Ⓝ 9 PT 2346 Large size cutter. Fits $\frac{1}{2}$ -in. spindle.....\$1.60	Ⓡ 9 PT 2348 Large size cutter. Fits $\frac{1}{2}$ -in. spindle.....\$1.60

**COMPANION**

REG U S PAT OFF

WORK  
BENCHES

**\$6.95**

**COMPANION STANDARD WORK BENCH**

Don't be misled by this low price! This new work bench is equal to benches selling at much higher prices elsewhere! Only Sears tremendous buying power makes this money-saving offer possible!

Similar to the bench at right but without the drawer and vise and with slightly lighter legs. Legs measure  $1\frac{1}{2}$  in. thick by  $4\frac{1}{8}$  in. wide. For heavier work, we recommend the heavy duty bench, but for most general work this standard bench will give perfect satisfaction.

Kiln dried lumber is used throughout—carefully milled and fitted. Top measures 26 inches by 6 feet; plenty of room for several power tools. Over-all height, 32 inches. Top is  $1\frac{1}{2}$  inches thick. Actual weight, 106 pounds.

Shipped unassembled to save you on assembly costs and freight. Complete with all necessary nails, and simple instructions to make assembly quick and easy. All you need is a hammer. Shipping weight, 110 pounds.

99 PTM 2716.....\$6.95

Easy Terms!  
ON ORDERS OF  
\$10 OR MORE  
\*SEE INSIDE  
FRONT COVER

**\$9.95**

**COMPANION HEAVY DUTY WORK BENCH**

The most popular work bench we have ever sold—and no wonder! It's massive—rugged—sturdy! Actually weighs 134 pounds! Size of top, 26 inches by 6 feet. Height, 32 inches. Top is full  $1\frac{1}{2}$  inches thick! For power tools . . . for any woodworking purpose . . . for general repair work around the home—this bench will fill the bill! Power tools run more smoothly and quietly when mounted on its solid top.

Every piece of lumber is kiln dried, accurately milled and fitted. Legs are very rigidly braced. Has big, easy-sliding drawer. Complete with large capacity woodworking vise with bench screw and heavy wood handle. Shipped unassembled to save you freight. Easily assembled. All you need is a hammer—we ship bench complete, down to the last nail! Shipping weight, 135 pounds.

99 PTM 2721.....\$9.95



**Work Bench Legs**

Make your own work bench! Legs have bracket for making lower shelf. Work bench type is used in making a regular width work bench; lathe type for lathe bench. Height of work bench type,  $32\frac{1}{2}$  in.; width, 20 in. Height of lathe type,  $32\frac{1}{2}$  in.; top width,  $10\frac{1}{4}$  in. Use  $1\frac{1}{2}$  or 2-inch boards for top. Shipping weight, 25 pounds.

(A) 99 PT 2722—Work bench legs. 2 pairs.....\$3.75

**Metal Joints**

Make your own saw horses! No nails needed with these COMPANION rustproof malleable iron joints. Locktight grippers prevent wobbling. May be used again and again.

99 PT 2896—Joints for 1x3 lumber, per set of 2. Shpg. wt., 4 lbs. 6 oz. **95c**

99 PT 2897—Joints for 2x4 lumber, per set of 2. Shpg. wt., 47 lbs. **3.50**

**Wood Machine Stand**

Selected long grain Douglas Fir. Every piece kiln dried, milled and fitted. Width, 19 inches; length, 25 inches, height, 29 inches. Top is  $1\frac{1}{2}$  inches thick. Legs are  $2\frac{1}{4}$  inches square. Apron and shelf are cut from  $\frac{3}{4}$ -inch stock. Built-in lower shelf to hold motor or tools. Packed flat for shipping. Easy to assemble. Holes drilled for bolts at important points. Bolts, nails and complete instructions furnished for assembling. A good low priced machine stand. Shpg. wt., 47 lbs. **3.50**

12-gauge steel. Top and shelf adjustable. Shipped flat, very easily assembled. 99 PT 2743—Top, 10x21 in. Height, 29 in. For 2-wheel or 3-wheel 12-in. band saws. **\$4.85**

99 PT 2744—Top, 10x21 in. Height, 31 inches. For use with most other power tools except Jig saw on page 10, jointer on Page 13, or bench saws on page 2 and 3. Shpg. wt., 33 lbs. **4.85**

99 PT 2745—Top, 10x34 inches. Height, 31 inches. For 24-inch Jig saw, 6-inch jointer, and 99 PTM 2176 bench saw on Page 3. Shpg. wt., 36 lbs. **5.75**

99 PT 2746—Top, 16x21 inches. Height, 31 inches. For 8-in. bench saw 99 PTM 2236 on Page 2. Shpg. wt., 39 lbs. **5.65**

99 PT 2747—Top, 19x25 inches. Height, 29 inches. For bench saw 99 PTM 2237 on Page 2. Shpg. wt., 46 lbs. **6.50**



**New Machine Stand**

New, modern streamlined design! Fully enclosed! Rugged heavy gauge steel construction insures a rigid, non-vibrating machine stand. Comes in two heights to fit individual needs of operator. Top is 12x26 in. Front has handy snap catch door. Full instructions furnished for installing a wooden shelf if underdrive is desired. Dark blue finish. The ideal stand for your power tools.

99 PTM 2789—Height, 27 inches. Shipping weight, 47 lbs. .... **7.95**

99 PTM 2790—Height, 31 inches. Shipping weight, 49 lbs. .... **7.95**

# SEARS SPECIALIZE IN DEPENDABLE DRILLS

**\$9.45**



## COMPANION Utility Drill

- Chuck takes drills up to  $\frac{1}{4}$  inch.
- Rugged and sturdy universal type motor.
- Ball bearing takes up end thrust.
- Double reduction gears give extra power.

A sturdy, dependable drill for general work around the shop, garage and home. It represents the most service and satisfaction ever offered at anywhere near this low price! It's light—but it packs plenty of power! Compact and well balanced; easy to handle. Runs smoothly and efficiently. Equipped with 3-jaw chuck with capacity up to  $\frac{1}{4}$ -inch. Has well-made double reduction gear train, fully enclosed in head. No-load spindle speed, approximately 1500 R.P.M. Overall length, 11 $\frac{1}{2}$  inches. Operates on 110-120-volt A.C. or D.C. Complete with handy toggle switch and 8-ft. rubber covered cord and unbreakable plug. Shipping weight, 6 pounds 6 ounces.

*Easy Terms!*  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

9 PT 2575..... \$9.45

**\$14.95**



## CRAFTSMAN 1/4-In. Pistol Drill

- Actually priced to save you over 50%!
- $\frac{1}{4}$ -in. Jacobs' chuck . . . Double reduction gears.
- Sensational, new, handy, compact design.
- Equipped with powerful universal motor.

To our knowledge, no drill of this type and quality has EVER been sold for less than \$30.00! It's the tremendously popular new small size which is rapidly taking the place of large, unwieldy drills! We tried to stall this drill using a  $\frac{1}{4}$ -inch bit on steel plate, but it just couldn't be done. Modern methods of design make this combination of power and light weight possible. Weighs only 2 $\frac{3}{4}$  pounds! Has two sets of SKF ball bearings together with needle and bronze bearings. Hardened steel double reduction gears. Clearance length in line with chuck, only 7 in. No-load speed, 1700 R.P.M. For 110-120-volt A.C. or D.C. With built-in switch. Rubber cord and unbreakable plug. Shipping weight, 4 pounds 6 ounces.

9 PT 2577..... \$14.95

**\$34.95**



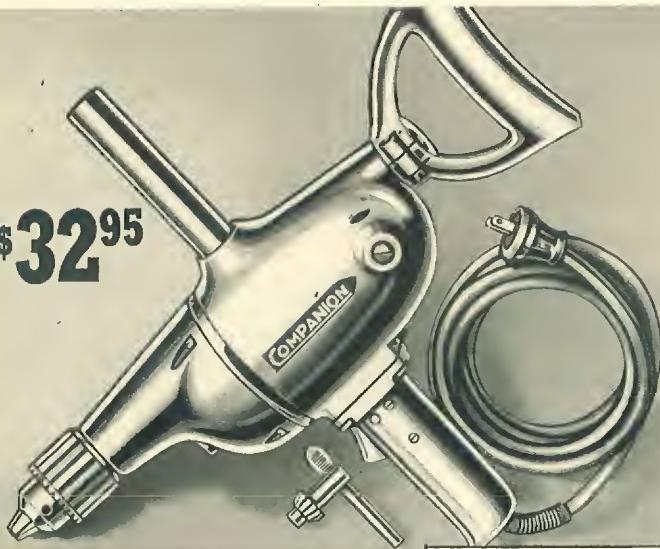
## CRAFTSMAN Heavy Duty

- Westinghouse heavy duty universal ball bearing motor.
- Reduction gears are heat treated chrome-nickel steel—improve with use!
- Armature and chuck spindles run on lifetime New Departure ball bearings sealed in oil.
- Manufactured and tested to exacting A.I.E.E. and N.E.-M.A. standards.

Built with plenty of surplus power for the heavy jobs! We guarantee that it will not stall when used with the maximum size drill specified below. Has genuine Jacobs' key chuck. Underwriters approved double pole automatic releasing switch locks for continuous running. For 110-120-volt A.C. or D.C. 10-ft. 3-wire rubber cord and unbreakable plug. Over-all length, 13 $\frac{1}{2}$  inches.

Catalog No.	Size Drill	No Load Speed	Shpg. Wt.	Price
9 PT 2580	$\frac{1}{4}$ -inch	2,000 R.P.M.	10 lbs.	\$34.95
9 PT 2581	$\frac{3}{8}$ -inch	1,500 R.P.M.	10 lbs.	37.95
9 PT 2582	$\frac{1}{2}$ -inch	1,000 R.P.M.	10 lbs.	39.95

**\$32.95**



## COMPANION 1/2-Inch Drill

- Strong General Electric universal motor.
- Double reduction gears are heat-treated chrome-nickel steel—improve with use!
- $\frac{1}{2}$ -inch capacity Jacobs' key chuck.
- Manufactured and tested to exacting A.I.E.E. and N.E.-M.A. standards.

A precision-built drill with plenty of power. Ideal for garages and maintenance men. Heat treated alloy steel gears, pinions, motor shaft and chuck spindle give longer service. Streamlined aluminum alloy housing. Self lubricating oilite bronze bearings. Has ball thrust bearing on spindle to take up end thrust. Underwriters' approved, fully enclosed, double-pole automatic releasing switch; locks for continuous running if desired. The General Electric universal motor operates on 110-120 volts A.C. or D.C. Over-all length, 16 inches. No-load spindle speed, 400 R.P.M. Complete with 10-ft. 3-wire rubber cord and unbreakable plug. Shipping weight, 12 pounds.

99 PT 2584..... \$32.95

**\$48.95**

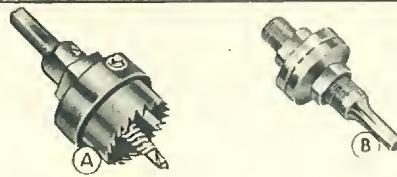


## CRAFTSMAN Heavy Duty

- Westinghouse extra heavy duty universal ball bearing motor.
- Spindles run on lifetime New Departure ball bearings sealed in oil.
- Triple reduction gears are heat treated chrome-nickel steel—improve with use!
- Equipped with genuine Jacobs' key chuck.
- Manufactured and tested to exacting A.I.E.E. and N.E.-M.A. standards.

Our finest drill! Built for heaviest production work in garages, factories, etc. Guaranteed not to stall on any job with the largest drill size specified! Armature shaft runs on oil sealed ball bearings. Genuine Jacobs' key chuck. Underwriters approved, fully enclosed double-pole automatic-releasing switch; locks for continuous running. For 110-120-volt A.C. or D.C. With 10-foot 3-wire rubber cord and unbreakable plug.

Catalog No.	Size Drill	No Load Speed	Shpg. Wt.	Price
99 PT 2585	$\frac{1}{2}$ -inch	750 R.P.M.	25 lbs.	\$48.95
99 PT 2586	$\frac{3}{8}$ -inch	525 R.P.M.	26 lbs.	52.95
99 PT 2587	$\frac{1}{4}$ -inch	475 R.P.M.	27 lbs.	57.90



## Circular Hole Saw for Electric Drills

(A) Finest heat treated high speed steel. Cuts clean, round holes in wood or metal. Depth of cut,  $\frac{1}{2}$  in. Use  $\frac{1}{2}$ -inch drill or larger. With mandrel. State size.  
Size, in. ....  $\frac{3}{4}$     1     $1\frac{1}{4}$      $1\frac{1}{2}$     2     $2\frac{1}{2}$   
Shpg. wt. .... 8 oz.    9 oz.    14 oz.    15 oz.    1 lb. 4 oz.    1 lb. 6 oz.  
9 PT 2698. .... \$2.25    \$2.25    \$2.25    \$2.25    \$2.45    \$2.90

(B) Saw Blade Only for Circular Hole Saw  
Size, in. ....  $\frac{3}{4}$     1     $1\frac{1}{4}$      $1\frac{1}{2}$     2     $2\frac{1}{2}$   
Shpg. wt. .... 5 oz.    6 oz.    8 oz.    9 oz.    12 oz.    15 oz.  
9 PT 2697. .... 65c    65c    65c    65c    95c    \$1.35

## Grinding Arbor for Electric Drills

(C)  $\frac{1}{4}$ -in. shank. Do not use with wheels larger than 4 in.  
9 PT 2593—Shipping weight, 6 ounces..... 45c



The ideal tool for contractors.  
Cuts jack, valley and hip rafters  
for roofs of any pitch.  
Ideal for compound miter cuts.



Notches rafters in double-quick time! Cuts with accuracy for snug, perfect-fitting joints.

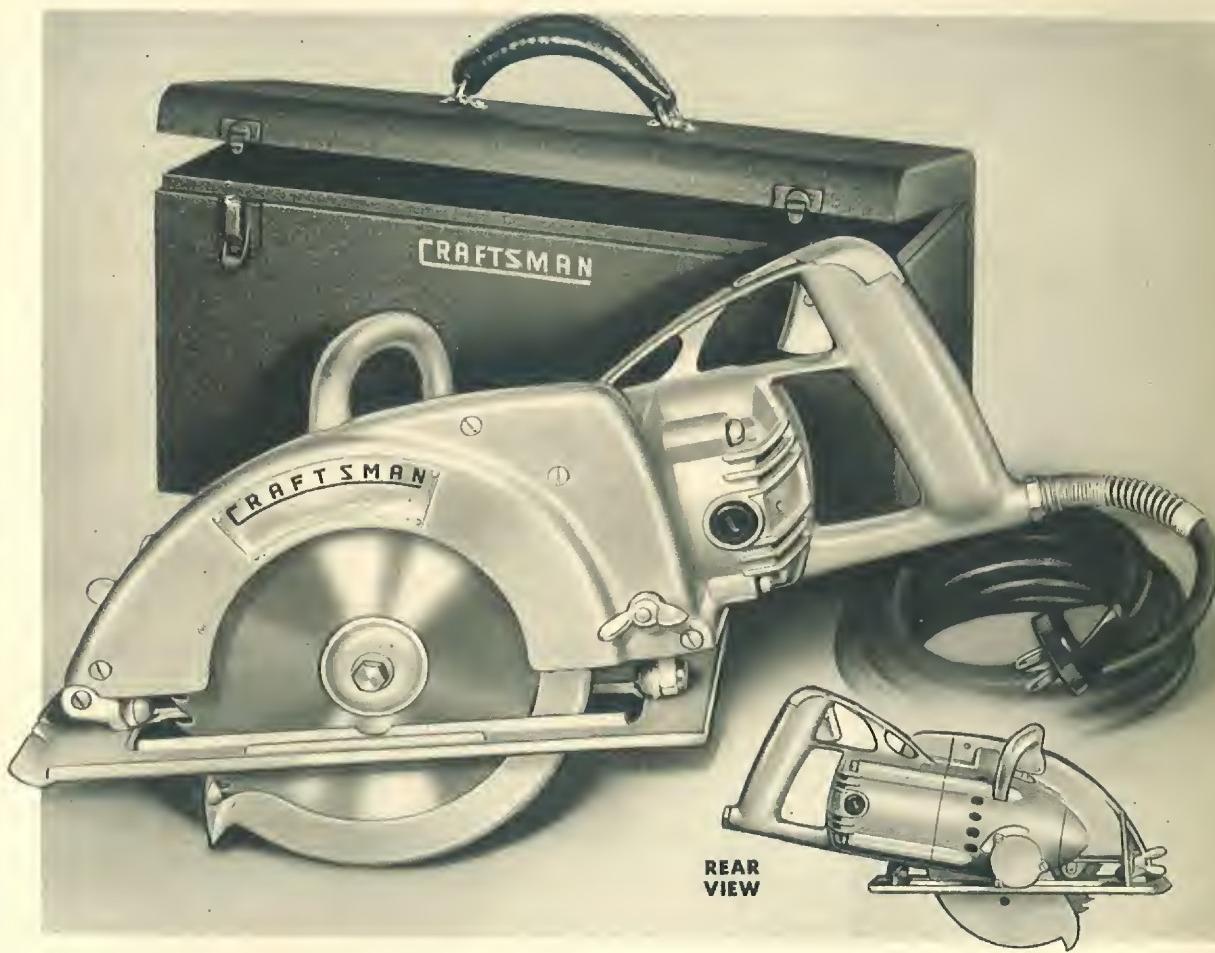


Nail your rough flooring in position, trim it with a CRAFTSMAN. Save on labor.

# CRAFTSMAN ANNOUNCES

REG. U. S. PAT. OFF.

## A NEW ELECTRIC HAND SAW



### NO JOB TOO TOUGH, NOR TOO EXACTING!

- Heavy duty construction—built for production use
- Finest 7-inch combination blade will cut any kind of wood up to 2½ inches thick
- Precision ball bearings used throughout for smooth frictionless operation and lifetime service
- Base adjustable for depth of cut; tilts for bevel cuts up to 45 degrees

\$87<sup>50</sup>

One of the most important additions that we have ever made to the CRAFTSMAN line. Designed and built for steady production work—for tough jobs—for day after day of continuous service. It's the ideal tool for contractors, carpenters, maintenance men, builders, production men—and others too numerous to mention.

This fine tool will pay for itself many times over in actual saving of time and labor. It's the modern way to build—eliminates tedious hand sawing—speeds up the job—cuts down on labor cost. We believe this saw is the finest of its type in America. It's \$120.00 worth of tool in everything but price. Every worthwhile feature we know of is incorporated in its design. Just check these features—that's all we ask.

Blade is 7-inch diameter and cuts 2½ inches thick vertically or 1¼ inches at 45° angle. This means you can cut through a dressed 2x4 at 45°. Motor is Universal type for 110-volt A.C. or D.C. Powerful enough to rip a 2-inch plank

12 feet long in 35 seconds. Bearings: Only precision ball bearings are used; accurately mounted on precision ground chrome nickel steel shafts. Lubrication at one point greases all bearings. Drive: Multiple worm and gear are matched. Worm is ground to an accuracy of .0002 in. Frame: Cast from virgin aluminum alloy in steel dies for light weight and perfect alignment. Guard: Rotates on ball bearings and telescopes out of the way for maximum protection. Blower: Built-in housing; keeps sawdust off the line. Operates from motor fan. Carrying Case: Heavy gauge all steel.

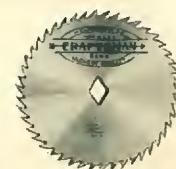
Look it over—we believe you'll agree this saw has everything. Complete with blade, heavy 10-foot rubber covered cord and unbreakable plug, socket wrench, tube of lubricant and all steel carrying case. Shipping weight, 35 pounds.

99 PT 2186.....\$87.50

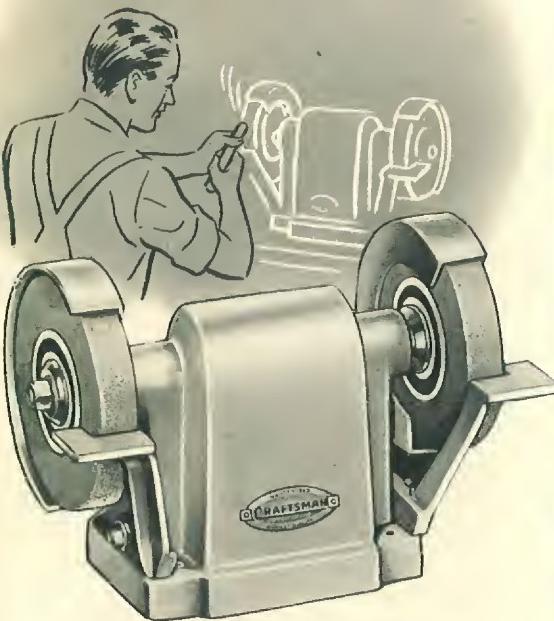
### SPECIFICATIONS

Over-all Height	9½ in.
Over-all Width	7 in.
Over-all Length	18 in.
Net Weight	18 lbs.
Blade Size	7 in.
Depth of Cut Vertically At 45°	2½ in. 1¼ in.
Bearings	Precision ball on all spindles
Free Speed of Blade	3200 R.P.M.
Motor	Universal for 110-volt A.C. or D.C.
Switch	Double pole, enclosed
Guard	Automatic telescoping
Blower	Built-in; keeps saw-dust off line
Base Adjustment (For Depth of Cut (For Angle of Cut	¾ to 2½ in. 90° to 45°

**CRAFTSMAN**  
**Circular Saw**  
7-inch combination saw for electric hand saw 99PT2186. Can be used for ripping, crosscutting or mitering. Hand set and filed. Shipping weight, 12 oz.  
9 PT 4935.....\$1.95



# NO SHOP IS COMPLETE WITHOUT A GRINDER

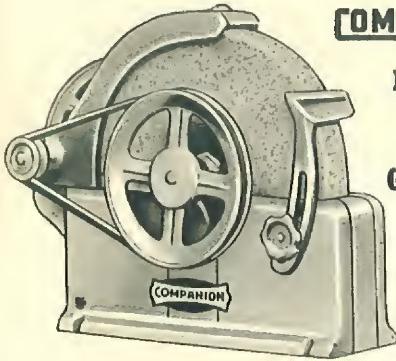


## CRAFTSMAN HEAVY DUTY BALL BEARING GRINDER

**\$745**

This heavy duty ball bearing grinder is precision built throughout. For ease of operation and long wearing qualities it can't be beat. Only the highest quality materials and workmanship are used. Every moving part is cushioned on high quality ball bearings. Sealed against dirt and grit, these bearings insure a long-lived, quiet-running machine. Plenty of clearance around the wheels and 10 inches between centers. Perfectly machined  $12\frac{1}{4} \times \frac{3}{4}$ -in. spindle is designed to accommodate the thrust which heavy grinding imposes upon it and is turned down to  $\frac{1}{2}$ -inch at ends. Streamlined hooded frame—a safety feature. Two-step drive pulley permits adjustment of speed to the material being worked. Sturdy adjustable tool rests. Strong gray iron wheel guards. Two CRAFTSMAN fully vitrified 6x1-inch grinding wheels, one medium coarse and one medium fine. Accurately machined steel collars insure grinding wheels running straight and true. Complete with  $42 \times \frac{1}{2}$ -inch V-belt. May be driven from below or behind. Blue enamel finish. Shipping weight, 18 pounds.

99 PT 6649—CRAFTSMAN Grinder.....\$7.45



## COMPANION 10-INCH WET GRINDER

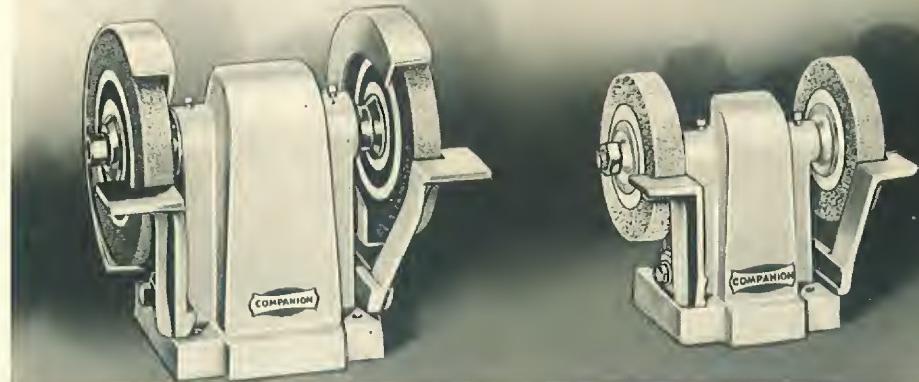
**\$795**

Complete With Jackshaft and Belt

An ideal grinder for home workshop, farm or factory. Restores a keen cutting edge to any tool or knife and positively will not draw the temper of the steel. Equipped with highest grade natural Ohio grindstone, measuring 10 inches in diameter with  $1\frac{1}{2}$ -inch face. Perfectly balanced; runs smoothly and easily. Heavy cast iron frame gives rigidity and prevents vibration. 3-inch adjustable tool rest. Stone rotates in bath of water so that grinding surface is always wet. Handy plug in base to drain water when grinding is finished. Splash guard comes up over stone for greater protection. Built-in jack shaft for reducing speed of your motor down to proper grinding speed. Long-life bronze bearings. Attaches to any bench or table. Attractively finished in gray enamel. For best results use  $1\frac{1}{2}$ -inch diameter motor pulley on 1750 R.P.M. motor. Complete with 6-inch V-drive pulley, jack shaft and V-belt as illustrated. Companion prices—see what you save at Sears. Shpg. wt., 34 lbs.

99 PT 6620.....\$7.95

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\$10 OR MORE  
• SEE INSIDE  
FRONT COVER



## COMPANION

### 6-INCH DELUXE GRINDER

**\$495**

A sturdy, smooth running grinder, ideal for home or shop. Plenty of clearance to handle large jobs. Full 7 inches between wheel centers. Close grained gray iron frame, well-ribbed for added strength.  $8\frac{1}{2}$ -inch spindle is  $\frac{3}{8}$ -inch in diameter, turned down to  $\frac{1}{2}$ -inch at ends to fit standard wheels and accessories. Heavy, extra-long bronze bearings. Adjustable gray iron wheel guards. Adjustable tool rests. Streamlined hooded frame covers two-step V-drive pulley. Two HOWARD  $6\frac{1}{4} \times \frac{3}{4}$ -inch fully vitrified grinding wheels; one medium coarse, one medium fine. Oil cups. May be driven from below or behind. Blue enamel finish. Shipping weight, 15 pounds.

99 PT 6648—COMPANION Grinder.....\$4.95

## COMPANION

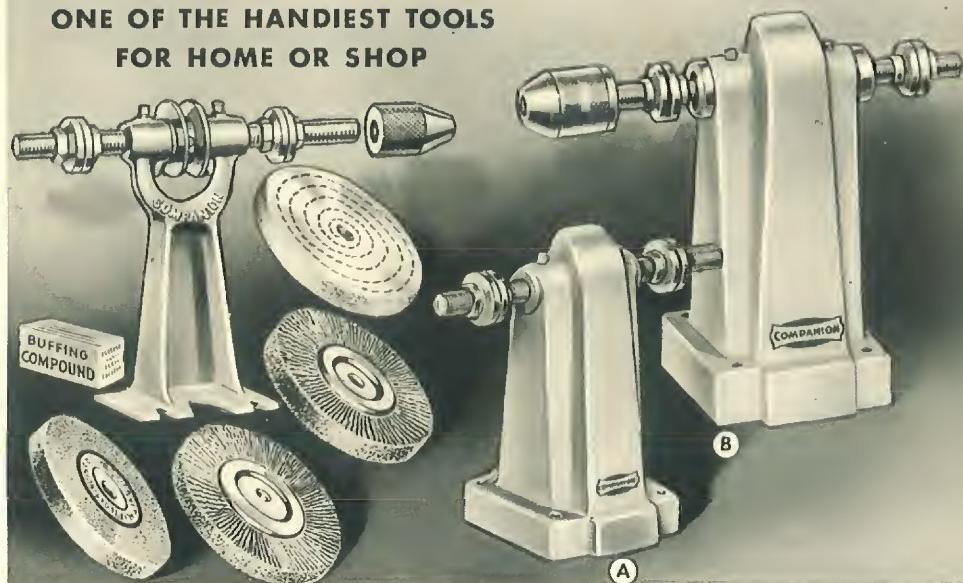
### 4-INCH UTILITY GRINDER

**\$189**

Keep your tools sharp with this well-made, inexpensive utility grinder. A remarkable value at this low price. Can easily be driven from below or behind. Close grained gray iron frame. Streamlined design keeps the drive pulley enclosed for utmost safety.  $7 \times \frac{3}{4}$ -inch steel spindle turned down to  $\frac{1}{2}$ -inch at ends to fit all standard wheels and accessories (see Page 42). 2-inch diameter V-type pulley for either  $\frac{3}{8}$  or  $\frac{1}{2}$ -inch V-belt. Two fast-cutting  $4 \times \frac{3}{4}$ -inch grinding wheels, one fine grain and the other medium. Pressed steel collars keep wheels in perfect alignment. Oil cups. Adjustable tool rests. Attractive blue enamel finish. Shipping weight, 6 pounds 2 ounces.

99 PT 6639—COMPANION Grinder.....\$1.89

## ONE OF THE HANDIEST TOOLS FOR HOME OR SHOP



## COMPANION POLISHING SET AND POLISHING HEADS

**\$229**

Once you have this polishing set you'll wonder how you ever got along without it! You'll agree that it's the handiest all-purpose tool in your entire shop! Sharpening tools, removing paint or rust, grinding, polishing, drilling—this set handles them all. Head is  $6\frac{1}{2}$  inches high, has  $8 \times \frac{1}{2}$ -inch spindle and is equipped with machined steel collars and oil cups.  $1\frac{3}{4}$ -inch V-type pulley for either  $\frac{3}{8}$  or  $\frac{1}{2}$ -inch belt. Sturdily and accurately made of high-grade materials, this convenient set is good for years of service. Set includes the polishing head,  $\frac{1}{4}$ -inch capacity, 3-jaw chuck,  $4 \times \frac{1}{2}$ -inch HOWARD medium fine vitrified grinding wheel, two  $4 \times$  inch wire wheels (one coarse and one fine), a 6-inch cloth buffing wheel, and cake of buffering compound.

99 PT 6626—Complete polishing, grinding and general utility outfit as shown. Shipping weight, 4 pounds 10 ounces.....\$2.29

99 PT 6613—Polishing head only, without chuck and accessories. Shpg. wt., 3 lbs. 12 oz.....89c

99 PT 2130— $\frac{1}{4}$ -inch chuck only. Shipping weight, 5 ounces.....29c

**\$115**

① Standard. A sturdy, accurately made polishing head for home or shop. Long life bronze bearings. Rugged streamline designed gray iron frame covers drive pulley. Can be driven from below or behind.  $8 \times \frac{1}{2}$ -inch steel spindle. Machined steel collars;  $1\frac{3}{4}$ -inch V-type pulley for either  $\frac{3}{8}$  or  $\frac{1}{2}$ -inch belt. Can be used for grinding, scraping, buffing, polishing, etc. Accessories needed for above operations, see Page 42. Over-all height,  $7\frac{1}{4}$  in. Blue enameled finish.

99 PT 6642—Shpg. wt., 3 lbs. 12 oz.....\$1.15

② Heavy Duty. Highest quality materials and construction throughout. Long-life bronze bearings. Heavy cast iron frame.  $9\frac{1}{2} \times \frac{1}{2}$ -in. steel spindle takes all standard wheels and accessories. Precision built 3-jaw chuck will take drills up to  $\frac{3}{8}$ -inch in diameter. Can be driven from below or behind. Carefully machined steel collars. Streamlined hooded frame covers 2-inch V-type pulley. Can be run by either  $\frac{3}{8}$  or  $\frac{1}{2}$ -inch V-belt. Oil cups. Over-all height,  $8\frac{3}{4}$  in. Blue enamel finish.

99 PT 6643—Shpg. wt., 8 lbs. 4 oz.....\$2.65



### COMPANION 1/4 H.P. GRINDER

**\$14<sup>95</sup>**

You would expect to pay at least \$20.00 for a grinder of this quality! The sturdy  $\frac{1}{4}$ -H.P. motor makes this grinder powerful enough to handle most any job. Ideal for work such as tool and cutter grinding, buffing, polishing, etc.

This smooth running grinder will give years of trouble-free service. Husky  $\frac{1}{4}$ -H.P. motor is equipped with New Departure ball bearings, which are packed in grease and sealed against dirt. Two  $6 \times \frac{3}{4}$ -inch fully vitrified wheels, one coarse and one fine. Heavy safety glass shields protect operator's eyes against flying grit—a real safety feature. Shields can be raised for polishing and buffing operations. Adjustable tool rests. Handy built-in toggle switch allows you to start or stop motor without pulling out plug. Special soft rubber mountings insulate against vibration. Motor turns 3450 R.P.M. at full load; 3600 R.P.M. at no load. For 110-volt 60-cycle A.C. 6-foot rubber covered cord and plug. Shipping weight, 41 pounds.

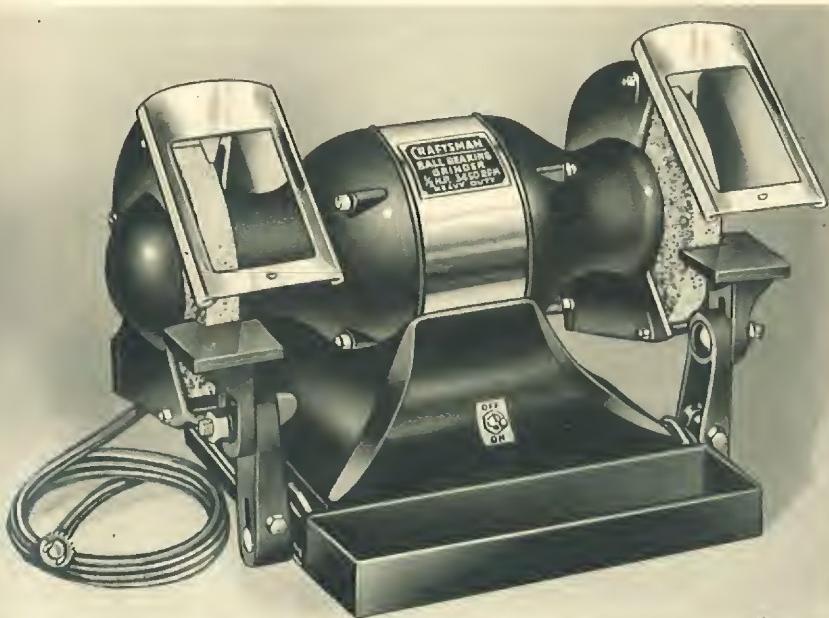
99 PT 2616—COMPANION  $\frac{1}{4}$ -H.P. Grinder.....\$14.95

**\$23<sup>95</sup>**

This grinder would be a real value even at \$35.00. Especially built for the shop or garage owner who wants many years of reliable service at very small cost. Bigger motor—larger wheels—greater clearance between wheels. New, easy starting reactor start induction run motor has sealed-in New Departure ball bearings protected against abrasive dust. Perfect fitting wheel collars and rubber mountings eliminate all vibration. 13-inches between wheels. Two  $7 \times \frac{3}{4}$ -inch vitrified wheels, one coarse and one fine.

Operator is protected from fine flying grit, by safety glass shields. Shields can quickly be raised for polishing and buffing jobs, making this one of the most useful tools in your shop. Removable and adjustable wheel guards. Small diameter motor allows work to be held straight across front of spindle without striking motor housing. Tool rests are adjustable for exact clearance with wheels. Motor turns at 3450 R.P.M. with full load; 3600 R.P.M. at no load. For 110-volt, 60-cycle A.C. Complete with built-in starting switch, 6-foot rubber cord and plug. Shipping weight, 52 pounds.

99 PT 2617—CRAFTSMAN  $\frac{1}{3}$ -H.P. Grinder.....\$23.95



### CRAFTSMAN HEAVY DUTY 1/2 H.P. BENCH GRINDER

**\$32<sup>95</sup>**

• Heavy duty  $\frac{1}{2}$ -H.P. New Departure ball bearing motor. 3450 R.P.M., full load (3600 R.P.M., no load). Operates on 110-volt 60-cycle A.C. Has built-in toggle switch. Small diameter of motor permits work to be ground across face of machine.

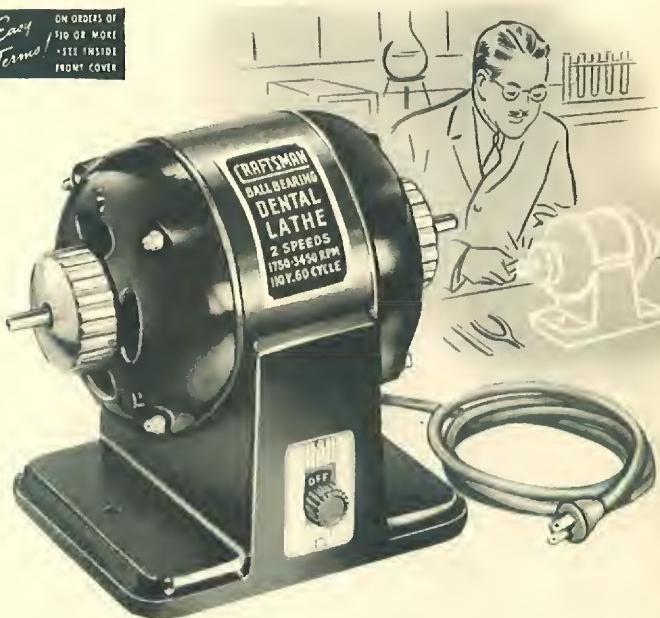
- $7 \times 1$ -in. vitrified grinding wheels—one coarse; one fine for different kinds of work
- Shatterproof glass shields. Adjustable tool rests easily removable for buffing
- Detachable water pan for cooling work—helps prevent drawing temper of tools

Sears finest! A real \$50.00 value. You'll be surprised how fast you can turn out those tough jobs with this heavy duty grinder. It's a real production type electric grinder for day-in and day-out service. Unsurpassed for sharpening or grinding small or large tools or parts.

New, fast starting, smooth running reactor start induction run motor gives years of trouble-free service. Precision built New Departure ball bearings are sealed in grease—protected against dust and dirt. The newly designed large collars always hold wheels in perfect alignment. Heavy cast iron base with rubber mountings eliminates vibration. 6-foot rubber covered cord, and plug.

99 PTM 2609—Shipping weight, 97 pounds.....\$32.95

ON ORDERS OF  
Easy  
Terms!  
\$10 OR MORE  
SEE INSIDE  
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### CRAFTSMAN 1/6 H.P. DENTAL LATHE

**\$25<sup>00</sup>**

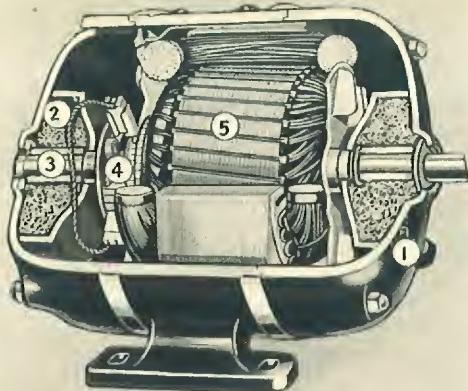
- Equal to lathes selling up to \$75.00
- New Departure ball bearings
- 2 speeds; 1750 and 3450 R.P.M. Operates on 110-volt 60-cycle A.C.

- Tapered shafts will take any standard dental chucks
- Accurately balanced and rubber-mounted to eliminate vibration

Why let a makeshift or obsolete lathe slow up your work? Especially when you can get this precision-built tool for this price! You need the best tools to do good work. The best part of it is that Sears tremendous buying power on motors actually brings you this lathe at  $\frac{1}{4}$  to  $\frac{1}{3}$  the usual price.

Modern design—equipped with New Departure ball bearings, each packed in grease. The two accurately tapered shafts will take any chuck or accessory sold by your dental supply house. Quick action chuck removers speed up work. Designed so that it is easy to work on—even on odd pieces and hard-to-get-at places. Shpg. wt., 42 lbs.

99 PT 5579—CRAFTSMAN Dental Lathe.....\$25.00



1. Burn-out protector stops motor if motor is overloaded
2. Extra large oil wells. Hold enough oil for years of service
3. Oversize phosphor bronze bearings guarantee longer service
4. Trouble-proof starting device
5. Accurately balanced, powerful rotor

#### Buy the Right Motor!

To get the most out of a motor it is important you select the right type for the job. Check your power company for current supply you have and make sure line is heavy enough to carry motor wanted. Single phase current is generally supplied in homes and 3 phase current in factories.

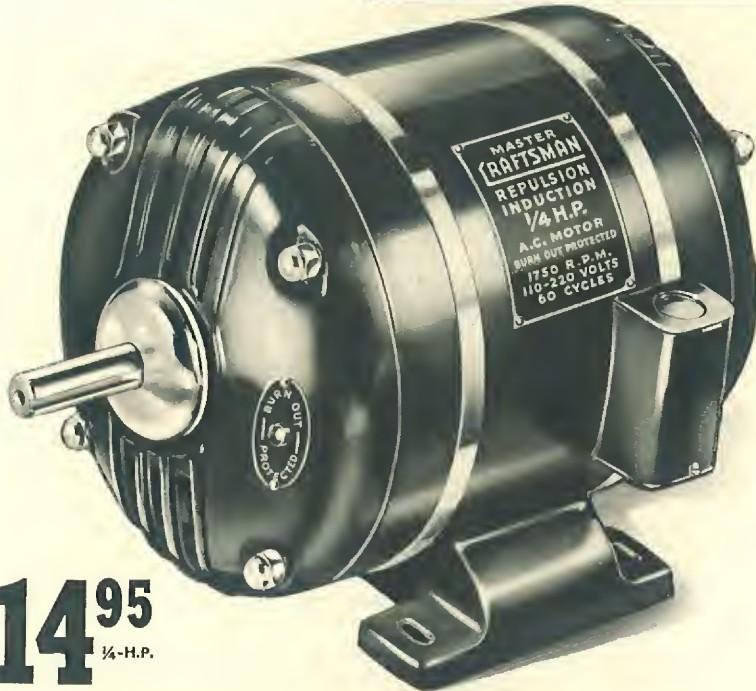
The principal difference in single phase (house current) motors is in the way they start. For hard starting jobs like pumps, cream separators, compressors, etc., a repulsion-induction motor must be used. This type will start a load of 3 to 4 times its rated H.P. torque.

For jobs where the starting effort is not so high, (washing machines, power tools, etc.) you can use either a split phase or capacitor motor. The capacitor motor has the advantage of taking only about half as much current in starting as the split phase type. It starts more easily, and starts somewhat heavier loads.

Bronze bearing motors must be used in a horizontal position. Ball bearing motors may be used in a vertical or any other position.

In base mounting dimensions, the first figure always refers to measurement parallel to shaft, and the second at right angles to shaft (from center to center of slots). Measure your mountings!

If you are in doubt as to which motor to buy, write Sears Personal Service Department.



**\$14.95**  
1/4-H.P.

#### NEW, IMPROVED MASTER CRAFTSMAN MOTORS

Guaranteed 3 years against defects. Entirely new! No finer motor of this type has ever been built! Tremendous overload capacity. You CAN'T match it anywhere else because it has features which have never been offered in one motor before!

NEW heavier windings for extra power—motor develops 4 to 5 times rated H.P. torque while starting; will actually carry more than its rated H.P. continuously... NEW overload protector prevents burn-out—current shuts off automatically if motor is ever overloaded or overheated... NEW giant oil wells—our engineers say this motor will never

need oiling, but we have provided oil holes as an extra precaution... NEW bigger and heavier frame for permanent accuracy of alignment, quieter operation, and longer life.

Meets all A.I.E.E., N.E.M.A., and Central Station requirements. Large air vents and powerful fan keep motor cool—will not overheat when run steadily at full rated load. Shaft in 1/2-H.P. and larger has keyway. 1750 R.P.M. Use in horizontal position. Direction of rotation easily reversed. Before ordering, check voltage, phase, cycle and capacity of your power line.

#### Single Phase—Repulsion-Induction. 110-220-volt, 60-cycle A.C.

Catalog No.	H. P.	Shaft Diam.	Base Mountings	Shpg. Wt.	Price
99 PT 1960	1/4	5/8 inch	3 1/4 x 6 inches	39 pounds	\$14.95
99 PT 1961	1/4	5/8 inch	3 3/4 x 6 inches	44 pounds	18.95
99 PTM 1962	1/2	5/8 inch	4 3/4 x 7 1/2 inches	77 pounds	24.95
99 PTM 1963	3/4	5/8 inch	4 3/4 x 7 1/2 inches	84 pounds	32.95
99 PTM 1964	1	5/8 inch	5 1/4 x 7 1/2 inches	92 pounds	39.95

#### NEVER FAILING, QUIET POWER FOR

**CRAFTSMAN**

EASY  
STARTING  
CONDENSER

**\$11.95**

1/4-H.P.



- Guaranteed 3 full years against defects in material and workmanship
- Has built-in overload protector to prevent burn-out
- Grease-sealed precision New Departure ball bearings for long life
- Built-in condenser reduces amount of current used in starting

The fine performance and trouble-free operation of condenser motors has made them tremendously popular! And here's one you can't match at anywhere near this low price! Bigger... stronger... heavier... built for year after year of service. Built-in condenser reduces starting current—makes motor start more easily and come up to speed more rapidly. Handles heavy running loads if they are easily started. Ball bearing construction permits use of motor in any position. Handy built-in on-off switch. 1/4-inch double drive shaft extends 1 1/4 inches on both ends. 99 PT 1955 and 99 PT 1956 may be easily reversed by changing leads; 99 PT 5587 has built-in reversing switch. For 110-120 volt 60-cycle A.C. Complete with 8-ft. rubber cord and unbreakable plug. Base mounting, 3 3/4 x 5 inches. \$11.95

99 PT 1956—1/4-H.P. 1750 R.P.M. Shipping weight, 32 pounds. .... \$11.95

99 PT 1956—1/4-H.P. 1750 R.P.M. Shipping weight, 35 pounds. .... 14.95

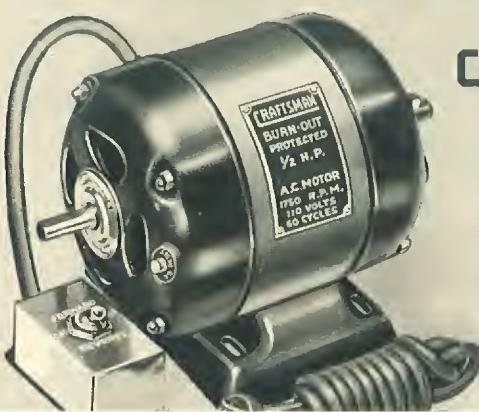
99 PT 5587—1/4-H.P. 3450 R.P.M. For high speed power tools such as jointers, shapers, etc. Shipping weight, 36 pounds. .... \$16.95

**CRAFTSMAN**

REMOTE  
CONTROL  
CONDENSER

**\$16.50**

1/2-H.P.



- Guaranteed 3 years against defects in materials and workmanship
- The same fine quality, and all the features of motor at left, and in addition equipped with a very handy remote control switch

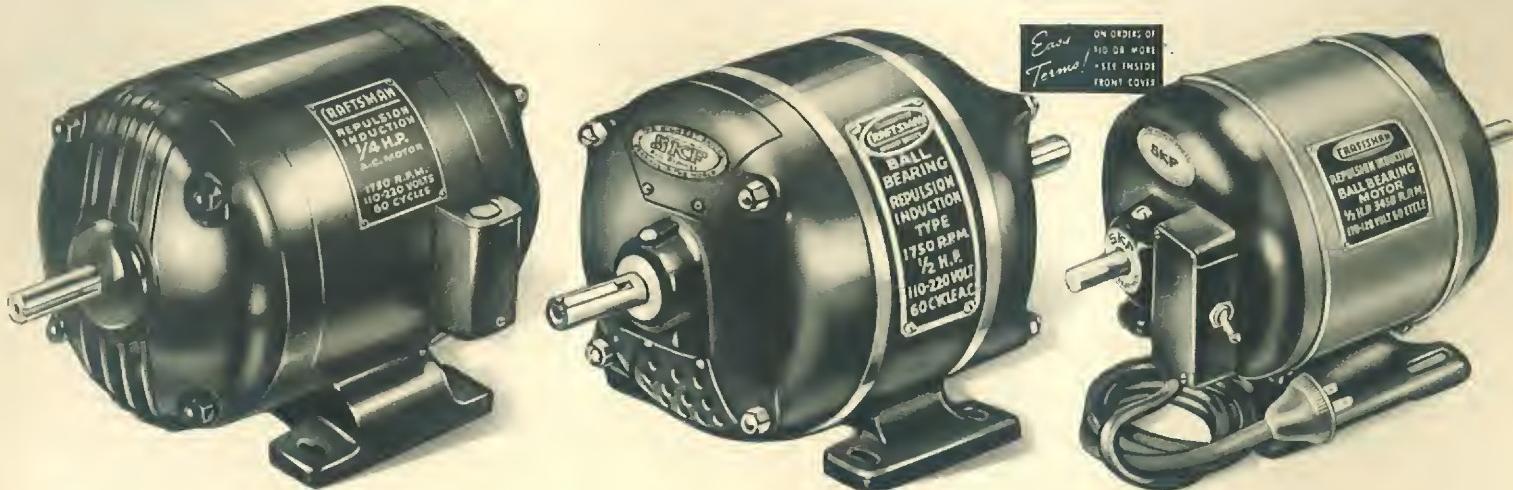
One of the handiest motors ever designed! Motor is controlled by a single heavy start-stop-reverse switch mounted in a box and connected to motor by 30 inches of heavy rubber covered cord. Put your motor out of the way behind or below the machine; mount the switch at the front of the machine with the rest of your controls—and start, stop, or reverse the motor with a flip of your finger! Far more convenient and far safer because your control is away from the driving belt and pulley. Particularly handy for power tools.

Aside from the remote control switch, this motor is exactly the same and has all the features of the 99 PT 1956 motor shown at left.

99 PT 5584—1/2-H.P. For 110-120 volt 60-cycle A.C. 1750 R.P.M. With 7 1/2-ft. plug-in cord and 2 1/2-ft. cord on switch. Shpg. wt., 36 lbs. .... \$16.50

99 PT 1970—3/4-H.P. Turns 3450 R.P.M. Has remote control start-stop switch connected to motor by 46-inch cord. Has burn-out protection, 5/8-in. double shaft, and ball bearings. Particularly recommended for circular saw applications. Base mounting, 3 3/4 x 5 in. For 110-220 volt 60-cycle A.C. Shpg. wt., 48 lbs. .... \$26.50

# REPULSION-INDUCTION MOTORS



## NEW, IMPROVED CRAFTSMAN MOTORS

With NEW Giant Oil Wells . . . NEW Big Frame

**\$1140**

1/4-H.P.

Guaranteed 3 years against defects. Now our famous CRAFTSMAN repulsion-induction motor is even more outstanding than ever before! Great overload capacity—develops 3 to 4 times rated horse power while starting—easily starts the heaviest loads! Our engineers say this new motor will NEVER need oiling, but we have provided oil holes as an extra precaution. Large air vents and powerful fan . . . motor will not overheat when run steadily at full rated load. Meets A.I.E.E., N.E.M.A., and Central Station requirements. Finest phosphor bronze bearings. Shaft in  $\frac{1}{2}$ -H.P. and larger has keyway. 1750 R.P.M. Use in horizontal position only. Direction of rotation easily reversed. Motors larger than 1-H.P. have standard N.E.M.A. dimensions—are interchangeable with other makes. Sizes over 1-H.P. have regular oil wells—not giant type. Check phase, voltage, cycle and capacity of your power line before ordering. Sizes up to 1 $\frac{1}{2}$ -H.P. shipped from stock, not prepaid. Motors of 2-H.P. or more shipped from New York City, prepaid, except in Seattle or Los Angeles Territory where customer pays freight.

### Single Phase—Repulsion Induction 110-220 volt, 60-cycle A.C.

Single Phase—Repulsion Induction 110-220 volt, 60-cycle A.C.						Three Phase—Squirrel Cage Type 220-440-volt, 60-cycle A.C.					
Catalog Number	H.P.	Size, Shaft, Inch	Base Mounting, Inches	Shpg. Wt., Lbs.	Cash Price	Catalog Number	H.P.	Size, Shaft, Inch	Base Mounting, Inches	Shpg. Wt., Lbs.	Cash Price
99PT 1950	1/4	5/8	3 1/4 x 6	35	\$11.40	99PTMS644	1	3/4	9 x 10	84	\$33.50
99PT 1951	1/4	5/8	3 3/4 x 6	38	16.95	99PTMS645	1 1/2	1	10 3/4 x 11	115	39.90
99PTMS652	1/4	5/8	3 3/4 x 7 1/2	72	19.95	99PTMS627	1/2	1	11 x 11 1/2	130	47.50
99PTMS653	1/4	5/8	4 1/4 x 7 1/2	77	27.95	99PTMS628	3	1 1/2	11 x 12	135	52.50
99PTMS654	1/4	5/8	4 1/4 x 7 1/2	83	36.00	99PTMS629	5	1 1/2	12 x 13 1/4	173	65.00
99PTMS6526	1/2	1	6 3/4 x 8	142	46.50	99PTMS646	7 1/2	1 1/2	14 x 15	278	85.00
99PTMS6404	2	1	7 1/2 x 9	155	59.90	99PTMS647	10	1 1/2	16 x 17	345	108.00
99PTMS641F	3	1	7 1/2 x 9	167	79.50						
99PTMS643F	5	1 1/2	10 x 8 1/4	342	129.00						

EASY PAYMENT TERMS—See Inside Front Cover

## CRAFTSMAN Heavy Duty

### SKF Ball Bearings

**\$2795**

Guaranteed 3 years against defects. The finest motor you can select for power tools! A heavy duty  $\frac{1}{2}$ -H.P.

repulsion-induction motor with a double drive shaft and genuine SKF ball bearings. This ball bearing construction permits motor to be operated in any position and increases its uses. May be used on vertical drives, such as drill presses, etc. The sealed ball bearings also make this motor ideal for out-of-the-way installations because these bearings will operate for long periods without requiring attention.

Built for years of trouble-free service. Meets A.I.E.E., N.E.M.A. and Central Station requirements. Has tremendous overload capacity. Will run continuously under full rated load without overheating. Powerful fan and large air ducts help keep motor cool. Easily reversed by shifting brushes.

Single phase repulsion-induction type. Operates on 110-120 volt 60-cycle A.C. 1750 R.P.M. Base mounting,  $3\frac{3}{4} \times 7\frac{1}{2}$  inch. Double drive shaft; size,  $\frac{3}{4}$  inch. Shipping weight, 68 pounds.

99 PTM 5619.....\$27.95

## CRAFTSMAN High Speed

### SKF Ball Bearings

**\$1995**

Guaranteed 3 years against defects in materials and workmanship. These husky, high speed, repulsion-induction motors are recommended for shapers, bench saws, jointers, and other uses where a motor speed of 3450 R.P.M. is desired.

Extra-rugged construction throughout. Packed with power! Fitted with famous precision SKF ball bearings for smooth operation and long life. This ball bearing construction permits motor to be used in any position. Forced draft cooling. It is necessary to lubricate this motor only twice a year! Easily reversed. The  $\frac{1}{2}$ -H.P. and  $\frac{3}{4}$ -H.P. sizes have built-in starting switch and rubber covered cord. The 1-H.P. size has remote control switch, and heavy rubber covered cord. All are 3450 R.P.M. For 110-120 volt 60-cycle A.C. Mounting dimensions,  $3\frac{3}{4} \times 5$  in.

99 PT 5608— $\frac{1}{2}$ -H.P.  $\frac{1}{2}$ -in. double shaft. Shpg. wt., 33 lbs. .... \$19.95  
99 PT 5611— $\frac{3}{4}$ -H.P.  $\frac{3}{4}$ -in. double shaft. Shpg. wt., 45 lbs. .... \$32.50  
99 PTM 5605—1-H.P.  $\frac{3}{4}$ -in. double shaft. Shpg. wt., 62 lbs. .... \$39.95

## ALL KINDS OF TOUGH JOBS . . .

### COMPANION

1/3 H.P.

SPLIT PHASE

**\$9.98**



- Guaranteed 2 years against defects in material or workmanship
- Has new overload protector to prevent motor from burning out
- Grease sealed New Departure ball bearings insure long service

Our finest and sturdiest split phase motor—now equipped with an overload protector! Compares with motors selling for \$15! Every part is EXTRA STRONG! Heavier windings, rotors and stators—larger cooling ducts, frame castings and bearing housings! Handles heavy running loads if they are easily started. Ball bearing construction permits you to use the motor in vertical or any other position. Easily reversed. Handy built-in, on-off switch.  $\frac{1}{2}$ -inch double drive shaft extends 1 $\frac{1}{4}$  inches on both ends. For 110-120 volt 60-cycle A.C. Motor speed, 1750 R.P.M. Complete with 8-foot cord and unbreakable plug. Base mounting, 3 $\frac{3}{4}$  inches x 5 inches. Shipping weight, 30 pounds.

99 PT 5620— $\frac{1}{3}$ -H.P. .... \$9.98

99 PT 5583—KENMORE  $\frac{3}{4}$ -H.P. Motor. Same as above except with diamond bored bronze bearings and without overload protector. Use in horizontal position only. Shipping weight, 29 pounds. .... \$8.45

### COMPANION

1/4 H.P.

SPLIT PHASE

**\$7.25**



- Guaranteed 2 years against defects in material and workmanship
- New built-in overload protector prevents motor from burning out
- Sealed oil chambers—motor NEVER needs oiling

One of the sturdiest and most reliable  $\frac{1}{4}$ -H.P. motors made! Quiet running . . . Powerful . . . Super-insulated. Now a greater value than ever before because we've added a new overload protector to guard against burn-outs.

Large diamond-bored bronze bearings for long life and smooth operation. Motor is lubricated for life at the factory. Rotors are accurately and individually balanced. Handles heavy running loads if they are easily started. Handy built-in on-off switch. Motor is easily reversed. Use in horizontal position only.  $\frac{1}{2}$ -inch drive shaft extends 1 $\frac{1}{4}$  inches. For 110-120 volt 60-cycle A.C. Speed, 1750 R.P.M. 8-foot rubber covered cord and plug. Mounting dimensions, 3 $\frac{3}{4} \times 5$  inches. Shipping weight, each, 27 pounds.

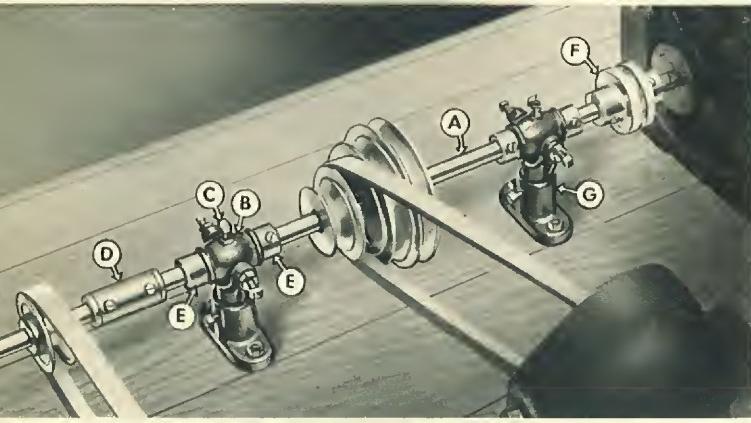
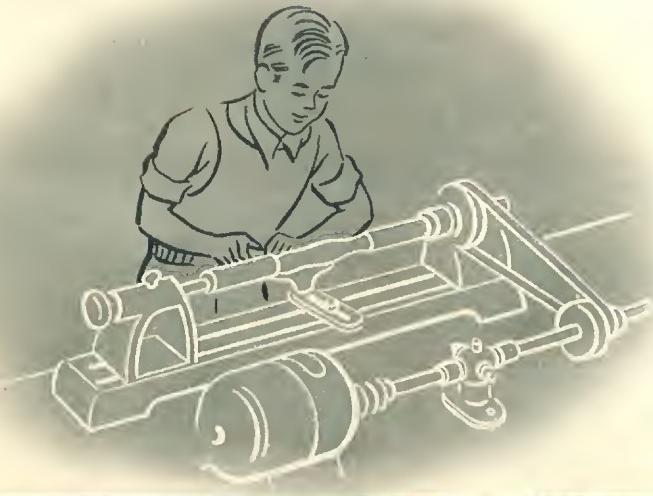
99 PT 5618— $\frac{1}{4}$ -H.P. .... \$7.25

KENMORE  $\frac{3}{4}$ -H.P. D.C. MOTORS

99 PT 5615—32-volt. .... \$14.95; 99 PT 5616—110-volt. .... \$14.95

# START A WORKSHOP NOW!

*Easy  
Terms!*  
ON ORDERS OF  
\$10.00 OR MORE  
SEE INSIDE  
FRONT COVER



## Line Shaft, Hangers, and Accessories

Equip your line shaft with Sears accessories and know you have the best—Accurately machined by skilled workmen for long life.

Line shafts come in two sizes:  $\frac{1}{2}$ -inch for light tools;  $\frac{3}{4}$ -inch for heavier machines and larger motors. Oil cups are easily installed in place of plugs. Make sure that bushings receive the proper oiling essential for good performance. Rigid couplings frequently are used for connecting sections of line shafting. Line shaft collars prevent endwise "drift" of shaft. Flexible couplings are used on such jobs as connecting a motor shaft to a line shaft. Self-adjusting for minor misalignment, thus preventing excessive bearing wear. Husky bronze bearing hangers are adjustable to permit perfect shaft alignment necessary for free turning, non-binding operation.  $\frac{1}{2}$ -inch hangers should be spaced approximately every 18 inches;  $\frac{3}{4}$ -inch hangers every 24 inches.

Catalog No.		Shpg. Wt.	Each
(A) 9 PT 2833	$\frac{1}{2}$ -in. x 24-in. Steel Shaft.....	1 lb. 8 oz.	24c
(A) 9 PT 2834	$\frac{3}{4}$ -in. x 48-in. Steel Shaft.....	3 lbs.	48c
(A) 9 PT 2835	$\frac{3}{4}$ -in. x 48-in. Steel Shaft.....	7 lbs.	95c
(B) 9 PT 2822	Bronze Bushed Bearing. (For $\frac{1}{2}$ -in. Shaft).	4 oz.	27c
(C) 9 PT 2820	Wick Oil Cups.....	1 oz.	5c
(D) 9 PT 2839	$\frac{1}{2}$ -in. Rigid Coupling.....	5 oz.	19c
(E) 9 PT 2824	$\frac{1}{2}$ -in. Line Shaft Collar.....	2 oz.	9c
(E) 9 PT 2825	$\frac{3}{4}$ -in. Line Shaft Collar.....	3 oz.	15c
(F) 9 PT 2840	Flexible Coupling (Specify $\frac{1}{2}$ , $\frac{3}{4}$ or $\frac{3}{4}$ in.)	12 oz.	27c
(G) 9 PT 2828	$\frac{1}{2}$ -inch Bronze Bushed Shaft Hanger.....	1 lb. 8 oz.	95c
(G) 9 PT 2829	$\frac{3}{4}$ -inch Bronze Bushed Shaft Hanger.....	1 lb. 12 oz.	\$1.19
9 PT 2830	$\frac{1}{2}$ -inch Needle Bearing Hanger.....	1 lb.	1.45



### Floating Motor Rails

Use one motor for several tools! Just fasten set of clips near each tool, and shift motor with rail from one tool to another. Keeps belt at proper tension.

9 PT 2275—Floating motor rail and one pair clips. Shpg. wt., 1 lb. 13 oz. .... 50c

9 PT 2277—Pair rail clips only. Shpg. wt., 7 oz. .... 20c

### Adjustable Motor Rails

Recommended for jobs where motor is to be used on only one tool and not moved from tool to tool. To adjust belts merely loosen bolts holding motor to rail, slide motor for belt tension wanted and tighten bolts. Makes belt adjustments very simple. Be careful not to run your V belts too tight. Shipping weight, 3 pounds.

9 PT 2279—Per pair...50c

### Deluxe Floating Motor Rail

Improved type! For smooth, vibrationless operation. All the advantages of the regular type PLUS rubber cushioning, rear end support, and right angle clips. The right angle clips may be used in normal or right angle position. Motor rail and pivot support are used to carry rear end of motor. Pivot has rubber ball that rests in socket. Will fit nearly all fractional horse power motors. Designed so that these rails can be used with the standard type clips if desired. Shipping weight, 2 pounds.

9 PT 2326—Complete set.....

9 PT 2328—Pair right angle clips only. Shpg. wt., 10 oz. .... 29c

### Motor Base Adapter

For machines without standard motor mounting. Heavy steel plate with series of slots. Helpful in adapting new motor to pumps, washing machines, power tools and other machines with odd size motor mountings. Fits most motors up to  $\frac{1}{4}$ -H.P. and some 1-H.P. motors. Shipping weight, 1 pound 8 ounces.

9 PT 5593.....45c

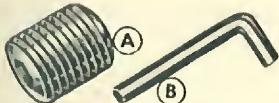
### Thermatrip Fuse

Perfect protection! Carries the momentarily high current necessary to start a split phase motor, but blows on short circuit or continuous overload. Interchangeable with ordinary fuses. Approved by Underwriters. Shipping wt., 2 oz.

9 PT 1995.....8c

# COMPANION V BELT PULLEYS

# COMPANION VULCANIZED CORD V BELTS



A complete line of V belt pulleys for power tool use. Each scientifically designed, carefully and accurately made of the finest materials. Balanced to run perfectly true. Grooves are machined so as to be perfectly true. Bores are machined to exact size. This care gives more pulling power. Each V pulley has 2 set screws countersunk in collar. Diameter given refers to outer edge of pulley, not the groove. Be sure to state size of bore wanted.

## Cone Pulleys—3 and 4-Step

Cone pulleys are used to get speed variation. The large step of one is placed opposite the small step of another of the same size. Shifting belt from step to step gives different speeds. Grooves accommodate  $\frac{1}{8}$  or  $\frac{1}{4}$ -in. belts. Size of bore,  $\frac{1}{2}$ ,  $\frac{3}{4}$ , or  $\frac{3}{4}$ -inch. Be sure to state size of bore wanted.

Catalog No.	Size	Steps	Diam., Step, In.	Shpg. Wt.	Each
9 PT 2780	$\frac{3}{4}$ in.	3	$\frac{3}{4}, \frac{2}{3}, \frac{1}{2}$	1 lb.	50c
9 PT 2782	$\frac{4}{5}$ in.	4	$\frac{4}{5}, \frac{3}{4}, \frac{2}{3}, \frac{1}{2}$	1 lb. 10 oz.	55c
9 PT 2783	5 in.	4	$\frac{5}{6}, \frac{4}{5}, \frac{3}{4}, \frac{2}{3}$	1 lb. 14 oz.	75c

## Single Groove V Pulleys

Made of highest quality Zamac alloy. Sturdy and smooth running. Strong flanges and hubs. Two heavy set screws. Turned grooves and reamed bores. Grooves accommodate  $\frac{1}{8}$  or  $\frac{1}{4}$ -inch wide V belts, except 9 PT 2800 which is for use with  $\frac{3}{16}$ -inch belt only. Attractively finished in silver aluminum color. Be sure to state size of bore wanted.

Catalog No.	Diameter	Bore, In.	Shpg. Wt.	Each
9 PT 2800	$1\frac{1}{2}$ in.	$\frac{1}{2}$	3 oz.	15c
9 PT 2801	2 in.	$\frac{1}{2}, \frac{3}{8}$	5 oz.	19c
9 PT 2802	$2\frac{1}{2}$ in.	$\frac{1}{2}, \frac{3}{8}$	6 oz.	23c
9 PT 2803	3 in.	$\frac{1}{2}, \frac{3}{8}$	7 oz.	28c
9 PT 2804	4 in.	$\frac{1}{2}, \frac{3}{8}$	10 oz.	38c
9 PT 2805	5 in.	$\frac{1}{2}, \frac{3}{8}$	15 oz.	45c
9 PT 2806	$6\frac{1}{2}$ in.	$\frac{1}{2}, \frac{3}{8}$	1 lb. 6 oz.	69c

## Heavy Duty Steel V Pulleys

Heavy duty steel V pulleys built expressly for production work. Massive pressed steel construction with steel or malleable iron hubs. Fit V belts  $\frac{1}{8}$  or  $\frac{1}{4}$ -in. wide. Keyways are provided in all pulleys with  $\frac{1}{8}$  or  $\frac{3}{16}$ -in. bore. All pulleys have 2 set screws. Be sure to state bore wanted.

Catalog No.	Diameter	Bore, In.	Shpg. Wt.	Each
9 PT 2880	$1\frac{1}{2}$ in.	$\frac{1}{2}$	5 oz.	29c
9 PT 2881	2 in.	$\frac{1}{2}, \frac{3}{8}$	6 oz.	35c
9 PT 2882	$2\frac{1}{2}$ in.	$\frac{1}{2}, \frac{3}{8}$	9 oz.	39c
9 PT 2883	3 in.	$\frac{1}{2}, \frac{3}{8}$	12 oz.	49c
9 PT 2884	4 in.	$\frac{1}{2}, \frac{3}{8}$	1 lb.	58c
9 PT 2885	5 in.	$\frac{1}{2}, \frac{3}{8}$	1 lb.	89c
9 PT 2886	$6\frac{1}{2}$ in.	$\frac{1}{2}, \frac{3}{8}$	2 lbs.	10 oz.
9 PT 2887	8 in.	$\frac{1}{2}, \frac{3}{8}$	4 oz.	\$1.19
9 PT 2888	10 in.	$\frac{1}{2}, \frac{3}{8}$	3 lbs.	1.49
9 PT 2889	12 in.	$\frac{1}{2}, \frac{3}{8}$	3 lbs.	1.95
9 PT 2815	$15\frac{1}{2}$ in.	$\frac{1}{2}, \frac{3}{8}$	6 lbs.	5 oz.

## 2-Groove Steel V Pulleys

2-groove drive efficiency at a moderate price. Built to withstand many years of hard service. Fitted with standard keyways and hollow head set screws. Wrench supplied. For domestic applications. For V belts  $\frac{1}{2}$  or  $\frac{3}{16}$ -inch wide. Be sure to state size of bore wanted.

Catalog No.	Diam.	Bore, In.	Shpg. Wt.	Each
9 PT 2940	3 in.	$\frac{1}{2}, \frac{3}{8}$	1 lb. 13 oz.	\$2.48
9 PT 2941	4 in.	$\frac{1}{2}, \frac{3}{8}$	3 lbs.	3.00
9 PT 2942	5 in.	$\frac{1}{2}, \frac{3}{8}$	3 lbs.	3.60
9 PT 2943	6 in.	$\frac{1}{2}, \frac{3}{8}$	4 lbs.	4.15
9 PT 2944	8 in.	$\frac{1}{2}, \frac{3}{8}$	5 lbs.	5.15
9 PT 2945	10 in.	$\frac{1}{2}, \frac{3}{8}$	7 lbs.	5.95
9 PT 2946	12 in.	$\frac{1}{2}, \frac{3}{8}$	8 lbs.	6.85

## Hollow Head Set Screws

(A) Take place of ordinary set screws in machines and pulleys. Tremendous pressure exerted by wrench prevents screw from loosening. Nickel alloy steel.

9 PT 2811— $\frac{1}{4}$  or  $\frac{3}{8}$ -in. State size. Shpg. wt., 2 oz....5c

(B) 9 PT 2813—Wrench for above. For  $\frac{1}{4}$  or  $\frac{3}{8}$ -in. screw. State size. Shipping weight, 1 oz.....5c

## Flat Belt Pulleys

(A) Sturdy and accurately made from die cast alloy; have nearly twice the tensile strength of cast iron. Fitted with hardened set screw. Accurate bores fit shaft perfectly. Properly crowned so that belts run true and last longer. Carefully balanced to run smoothly without vibration.

9 PT 2798—State size and shaft diameter wanted.

Diam. and Face, In.	For Shaft, In.	Shpg. Wt.	Each
2 x 2	$\frac{1}{2}$	12	25c
$2\frac{1}{2}$ x $2\frac{1}{2}$	$\frac{1}{2}, \frac{3}{8}$	13	1.40
3 x 3	$\frac{1}{2}, \frac{3}{8}, 1$	1	35c
4 x $3\frac{1}{2}$	$\frac{1}{2}, 1$	2	35c

## Hard Fiber Flat Pulleys

(B) Highest quality! Built to last! Particularly recommended for use as motor drive pulleys in industrial applications. Made with accurate cores to insure true running. Faces won't wear smooth. Transmit maximum power because there's minimum slippage.

9 PT 2799—Be sure to state size and shaft diameter wanted.

Diam. and Face, In.	For Shaft, In.	Shpg. Wt.	Each
$1\frac{1}{2} \times 2\frac{1}{2}$	$\frac{1}{2}, \frac{3}{8}$	12	\$1.10
2 x $2\frac{1}{2}$	$\frac{1}{2}, \frac{3}{8}$	14	1.40
$2\frac{1}{2} \times 2\frac{1}{2}$	$\frac{1}{2}, \frac{3}{8}, 1$	1	4.49
3 x $3\frac{1}{2}$	$\frac{1}{2}, \frac{3}{8}, 1$	2	1.70
4 x $3\frac{1}{2}$	$\frac{1}{2}, 1$	4	2.20

# COMPANION VULCANIZED CORD V BELTS



Long wearing, true running, resist slipping and stretching and transmit power with least friction loss. Heavy duty vulcanized cord wrapper (2) for greater strength. Flexible inner cushion of tough cured rubber (4) reinforced at the pitch line by strong cords (1) to insure longer life. Properly molded and of uniform cross section (3). Length shown is distance around outside of belt. See "How to Measure" above.

**20c**  
9 PT 2750

Their flexibility makes them ideal for drives over small diameter pulleys. Measure your belt. See above.

Catalog No.	Length	Width	Shpg. Wt.	Each
9 PT 2750	20 in.	$\frac{3}{8}$ in.	3 oz.	20c
9 PT 2751	24 in.	$\frac{3}{8}$ in.	3 oz.	24c
9 PT 2752	30 in.	$\frac{3}{8}$ in.	4 oz.	30c
9 PT 2753	36 in.	$\frac{3}{8}$ in.	4 oz.	36c
9 PT 2754	42 in.	$\frac{3}{8}$ in.	4 oz.	42c

## 3/8-in. V-Belts



## 1/2-in. (A Section) V-Belts

A general purpose size for most applications with single V pulleys. Measure your belt. See above.

Catalog No.	Length	Width	Shpg. Wt.	Each
9 PT 2758	28 in.	$\frac{1}{2}$ in.	5 oz.	28c
9 PT 2759	32 in.	$\frac{1}{2}$ in.	4 oz.	32c
9 PT 2760	34 in.	$\frac{1}{2}$ in.	6 oz.	34c
9 PT 2761	36 in.	$\frac{1}{2}$ in.	6 oz.	36c
9 PT 2762	38 in.	$\frac{1}{2}$ in.	6 oz.	38c
9 PT 2763	42 in.	$\frac{1}{2}$ in.	7 oz.	42c
9 PT 2764	45 in.	$\frac{1}{2}$ in.	7 oz.	45c
9 PT 2765	48 in.	$\frac{1}{2}$ in.	7 oz.	48c
9 PT 2766	54 in.	$\frac{1}{2}$ in.	8 oz.	54c
9 PT 2767	66 in.	$\frac{1}{2}$ in.	9 oz.	66c
9 PT 2771	84 in.	$\frac{1}{2}$ in.	10 oz.	75c
9 PT 2772	100 in.	$\frac{1}{2}$ in.	12 oz.	85c



## 5/8-in. (B Section) V-Belts

Use for heavier drives over a minimum pulley diameter of 3 inches. Measure your belt. See above.

Catalog No.	Length	Width	Shpg. Wt.	Each
9 PT 2756	38 in.	$\frac{5}{8}$ in.	9 oz.	78c
9 PT 2768	45 in.	$\frac{5}{8}$ in.	10 oz.	89c
9 PT 2769	54 in.	$\frac{5}{8}$ in.	11 oz.	\$1.05
9 PT 2773	62 in.	$\frac{5}{8}$ in.	12 oz.	1.15
9 PT 2774	72 in.	$\frac{5}{8}$ in.	14 oz.	1.35
9 PT 2775	84 in.	$\frac{5}{8}$ in.	1 lb.	1.55
9 PT 2776	100 in.	$\frac{5}{8}$ in.	1 lb.	4 oz.
9 PT 2778	115 in.	$\frac{5}{8}$ in.	1 lb.	8 oz.
9 PT 2779	131 in.	$\frac{5}{8}$ in.	1 lb.	10 oz.
9 PT 2780	147 in.	$\frac{5}{8}$ in.	1 lb.	12 oz.



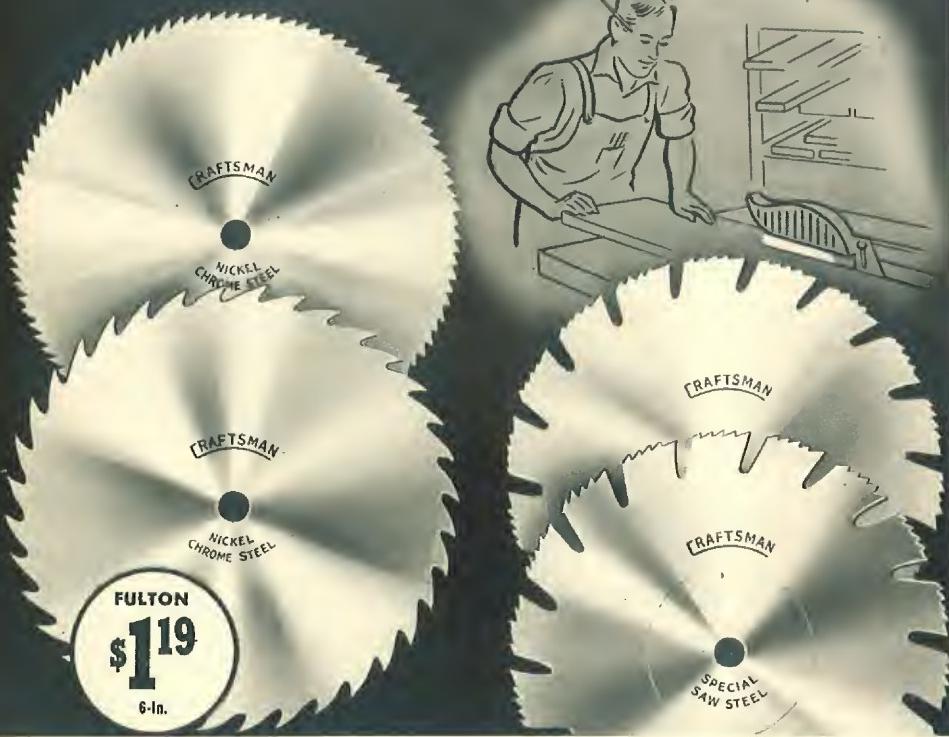
## HANDY TABLE OF PULLEY SPEEDS

Use this table to determine the speed of your machine with varying sizes of motor and machine pulleys. Figures given are for use with belt at proper tension and a motor speed of 1750 R.P.M.

Diameter of Motor or Driving Pulley	Diameter in Inches of Driven Pulley or Putley on Machines				
	1 1/2	2	2 1/2	3	4
1 1/2 in.	1725	1290	1030	860	645
2 in.	2300	1725	1380	1150	860
2 1/2 in.	2890	2160	1725	1440	1080
3 in.	3450	2590	2070	1725	1290
4 in.	4600	3450	2760	2300	1725
5 in.	5750	4310	3450	2870	2160
6 1/2 in.	7460	5600	4490	3740	2800

Example—the machine has a 2-inch pulley and should run 3450 or 3500 R.P.M. What size pulley should be used with a 1750 R.P.M. motor? From the table follow down the vertical column to the speed of 3450, then to the left in column headed "Diameter of Motor or Driving Pulley." The answer is a 4-in. diameter pulley required.

# CIRCULAR SAWS



**FULTON**  
**\$1.19**  
6-in.

## Rip and Crosscut Saws

**CRAFTSMAN Nickel Chrome Saws.** Priced 25% to 30% below competition—yet positively guaranteed to equal the finest saws sold in EVERY respect! Special high analysis nickel chrome alloy steel—the finest steel known for circular saws! Correctly heat treated and hardened in electrically controlled furnaces. Every saw is hand hammered by master saw makers for proper tension to make it run true and straight. Expertly hand set and filed. Clean, rapid cutting. Deep, round gullets. High, mirror-like finish. Blue etched. **State size wanted.**

9 PT 4925—**CRAFTSMAN** Crosscut Saw.  
9 PT 4926—**CRAFTSMAN** Rip Saw.

Diam., In.	Gauge	Center Hole, In.	Rev. Per Minute	Shpg. Wt.	Sears Price
6	18	1/2 or 5/8	5000	8 oz.	\$1.79
7	17	1/2 or 5/8	4750	13 oz.	2.15
8	17	1/2 or 5/8	4500	1 lb.	2.45
9	16	5/8	4000	1 lb. 6 oz.	2.85
10	16	5/8 or 3/4	3600	1 lb. 12 oz.	3.25

**FULTON Saws.** Special electric furnace steel. Properly heat treated and hardened—stay sharp and hold the set. Hand hammered for proper tension. Accurately hand set and filed—won't bind or buckle. Highly polished. **State size.**

9 PT 4923—**FULTON** Crosscut Saw.  
9 PT 4924—**FULTON** Rip Saw.

Diam., In.	Gauge	Center Hole	R.P.M.	Shpg. Wt.	Price
6 in.	18	1/2 or 5/8 in.	5000	8 oz.	\$1.19
7 in.	17	1/2 or 5/8 in.	4750	11 oz.	1.39
8 in.	17	1/2 or 5/8 in.	4500	13 oz.	1.69

**IMPORTANT** In ordering saws, state center hole size and saw diameter. We can furnish larger center hole than shown without extra charge, but shipment will be made from factory in central Ohio, and you pay shipping charges from there.

## Combination Saws

Handiest of all circular saws! Really 3 saws in one! Can be used equally well for crosscutting, ripping and mitering in hard or soft wood.

**CRAFTSMAN.** Specially refined crucible saw steel, heat treated and hardened. Hand hammered for tension and balance. Polished—blue etched.

9 PT 4939—**CRAFTSMAN Hollow Ground.** Gives smooth, finished surface. Improved taper grinding allows saw to run without set—won't bind. **State size.**

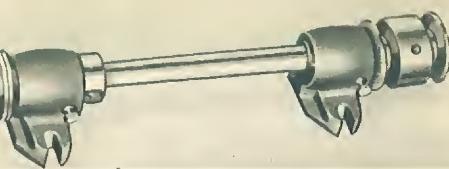
Diam.	Gauge	Size Hole	Shpg. Wt.	Price
6 in.	16 to 19	1/2 or 5/8 in.	8 oz.	\$2.49
7 in.	15 to 18	1/2 or 5/8 in.	12 oz.	2.89
8 in.	15 to 18	1/2 or 5/8 in.	1 lb.	3.35
9 in.	14 to 17	1/2 in.	1 lb. 6 oz.	3.80
10 in.	14 to 17	5/8 or 3/4 in.	1 lb. 10 oz.	4.30

9 PT 4937—**CRAFTSMAN Flat Ground.** Fast and easy cutting in all woods. Expertly hand set and filed. Won't bind. **State size.**

Diameter	Gauge	Center Hole	Shpg. Wt.	Price
6 in.	18	1/2 or 5/8 in.	8 oz.	\$1.45
7 in.	17	1/2 or 5/8 in.	12 oz.	1.99
8 in.	17	1/2 or 5/8 in.	1 lb.	2.18
9 in.	18	5/8 in.	1 lb. 6 oz.	2.41
10 in.	16	5/8 or 3/4 in.	1 lb. 10 oz.	2.65

9 PT 4938—**FULTON Flat Ground Combination Saw.** Special electric furnace steel, heat treated and hardened. Hand set and filed. Won't bind. **State size.**

Diam.	Gauge	Size Hole	Shpg. Wt.	Price
6 in.	18	1/2 or 5/8 in.	8 oz.	\$0.95
7 in.	17	1/2 or 5/8 in.	12 oz.	1.15
8 in.	17	1/2 or 5/8 in.	1 lb.	1.35
10 in.	16	5/8 or 3/4 in.	1 lb. 10 oz.	1.75



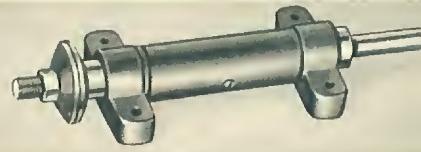
## Bronze Bearing Saw Mandrels

**\$1.49**

You can easily make your own saw table by mounting one of these mandrels under your work bench. Long wearing **bronze bearings**. 2-inch machined steel double V pulley may be used with flat belt, or with single or multiple V belt drive. Machined steel collars insure a true running saw blade, grinding wheel or any other accessories. Set collar takes up end play. Polished and ground steel shaft. Oil plugs. Over-all length, 14 inches.

9 PT 4946—State size wanted.

Size 00. 5/8-inch shaft turned down to 1/2 inch at ends. Shipping weight, 7 pounds. .... \$1.49  
Size 0. 3/4-inch shaft turned down to 5/8 inch at ends. Shipping weight, 8 pounds. .... \$1.69



## Ball Bearing Saw Mandrel

**\$3.45**

Priced to save you 1/4. Equipped with precision ball bearings for smooth operation and long life. Bearings are fully enclosed to protect them against dust and dirt and will last for years. Has Zerk fitting for positive lubrication. Machined steel collars. 1/2-inch polished and ground steel shaft, with adapters which make it possible for this mandrel to fit saws or other accessories with either 1/2, 5/8 or 3/4-inch holes. Pulley end of mandrel is ample length for dual V-belt drive. See pulleys on page 41. Over-all length, 10 1/2 inches.

9 PT 4941—Shipping weight, 8 pounds. .... \$3.45

FOR EASY TERMS SEE INSIDE FRONT COVER



## CRAFTSMAN Grinding Wheels

Made of aluminum oxide. Fully vitrified by electric furnace process. Expertly dressed on both face and sides. Perfectly balanced. Fine grit for fine edged tools. Medium grit for general purpose grinding. Flat face. State diameter, thickness and hole size.

9 PT 6412—Fine grit.

9 PT 6411—Medium grit.

Diam.	Thickness	Shpg. Wt.	Each
4 in.	1/2 in.	1 lb.	\$0.49
4 in.	3/4 in.	1 lb. 4 oz.	.59
6 in.	3/4 in.	2 lbs. 12 oz.	1.00
6 in.	1 in.	3 lbs.	1.15
7 in.	3/4 in.	3 lbs. 10 oz.	1.25
7 in.	1 in.	4 lbs.	1.40

## Grinding Goggles

Everyone using a grinding wheel or wire scratch wheel should protect his eyes with safety goggles. Give eyes complete protection against flying particles. Lenses are made of thick shatterproof glass. Non-corrosive, extra-strong metal frame; well made. Wire mesh side screens give added protection. Shipping wt., 10 oz.

9 PT 6401.... \$1.50



## Steel Wire Scratch Wheels

Just the thing for removing paint, rust, scale, for buffing tires, etc. Coarse wheels made from No. 33 wire and fine wheels from .005 wire. Long lasting. 4-inch size has 1/2-inch arbor hole; 6-inch size has 5/8 or 1-inch hole. **State diameter of wheel and hole size.**

9 PT 6480—Coarse 4-in. Shpg. wt., 5 oz. .... 30c  
6-in. Shpg. wt., 11 oz. .... 40c

9 PT 6482—Fine 4-in. Shpg. wt., 5 oz. .... 40c  
6-in. Shpg. wt., 11 oz. .... 50c

## Buffing Compound

Hold the bar of buffing compound against a revolving buffing wheel and then apply the work to the buff. Produces a lustrous satiny finish on metal. May also be used for natural wood finish. Also excellent for polishing catalin and other plastics. Shpg. wt., 5 oz.

15c

## Pieced Buffing Wheels

Twenty thicknesses of quality heavy bleached muslin. Pieced material with full disc covers. Strong 3/8-inch spiral sewing. Well constructed, trimmed and balanced. Raked edges. 1/2-inch center hole.

9 PT 6490—State diameter 4-inch diameter. Shipping wt., 2 oz. Each..... 9c  
6-inch diameter. Shipping weight, 3 ounces. Each..... 14c  
8-inch diameter. Shipping weight, 4 ounces. Each..... 24c

## Sewed Buffing Wheels

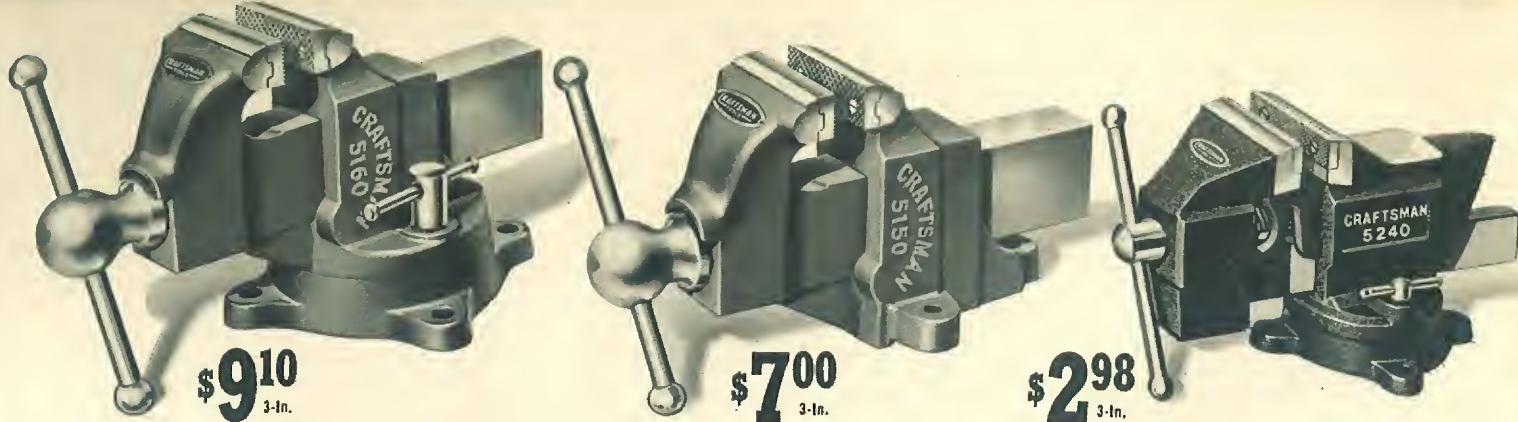
Eighteen thicknesses of finest quality heavy unbleached muslin. Each piece full disc; insures perfect balance and better work. Strong 3/8-inch spiral sewing. Expertly trimmed and balanced. Raked edges. Choice of 1/2-inch or 1-inch center hole.

9 PT 6491—State diameter and center hole. 6-in. Shpg. wt. 3 oz. .... 12c  
8-in. Shpg. wt. 5 oz. .... 20c  
10-in. Shpg. wt. 7 oz. .... 27c  
12-in. Shpg. wt. 10 oz. .... 35c  
14-in. Shpg. wt. 14 oz. .... 45c

## Loose Buffing Wheels

Eighteen thicknesses of finest quality heavy unbleached muslin—each piece full disc—perfect balance for better work. One row of strong sewing around the arbor hole. Trimmed and balanced. 1/2-in. or 1-in. center hole.

9 PT 6494—State diameter and center hole. 6-in. Shpg. wt., 3 oz. .... 12c  
8-in. Shpg. wt., 5 oz. .... 20c  
10-in. Shpg. wt., 7 oz. .... 27c  
12-in. Shpg. wt., 10 oz. .... 35c  
14-in. Shpg. wt., 14 oz. .... 45c



## SAVE 30% ON CRAFTSMAN VISES

### CRAFTSMAN Heavy Duty Machinists' Vises

No finer machinists' vises made yet priced fully 30% less than comparable quality. Extra heavy! Extra strong! Built for heaviest machine shop work. Finest materials and workmanship. Semi-steel construction —reinforced at all points of strain. Replaceable knurled tool steel jaws are heat treated and hardened. Cold rolled steel screw, head and handle. Every part

carefully machined and fitted. Extra heavy milled slide bar fits snugly into machine broached opening in base. Slides easily; won't wobble. Gray enamel finish. Bolts included. Shipped freight or express. Shipping weights same as actual weights. 5½-inch jaw size and larger shipped prepaid from factory in southern Illinois. Smaller sizes carried in stock.

### Offered In Both Swivel Base and Solid Base Styles

Swivel Base	Jaws	Open to	Weight	Price	Solid Base	Jaws	Open to	Weight	Price
99 PTM 5160	3 1/2 in.	4 in.	27 lbs.	\$ 9.10	99 PTM 5150	3 in.	4 in.	22 lbs.	\$ 7.00
99 PTM 5161	5 in.	36 lbs.	36 lbs.	7.90	99 PTM 5161	3 1/2 in.	5 in.	31 lbs.	8.90
99 PTM 5162	6 in.	51 lbs.	10.60	99 PTM 5162	4 in.	6 in.	41 lbs.	8.90	
99 PTM 5163	6 1/2 in.	69 lbs.	14.00	99 PTM 5163	4 1/2 in.	6 1/2 in.	59 lbs.	10.86	
99 PTM 5164	7 in.	79 lbs.	19.00	99 PTM 5164	5 in.	7 1/2 in.	78 lbs.	14.00	
99 PTM 5164F	5 1/2 in.	5 1/2 in.	95 lbs.	21.00	99 PTM 6155F	5 1/2 in.	8 1/2 in.	100 lbs.	21.00
99 PTM 5166	6 in.	10 in.	129 lbs.	26.60	99 PTM 6160F	6 in.	10 in.	130 lbs.	27.30
99 PTM 5166F	6 in.	10 in.	142 lbs.	34.40	99 PTM 6160F	7 in.	12 in.	226 lbs.	38.60
99 PTM 5167F	7 in.	12 in.	264 lbs.	49.00	99 PTM 6168F	8 in.	13 1/2 in.	299 lbs.	52.60
99 PTM 5168F	8 1/2 in.	14 in.	345 lbs.	68.00	99 PTM 6168F	8 in.	13 1/2 in.	326 lbs.	72.60

### CRAFTSMAN Garage Vises

We sincerely believe this is the finest garage vise model! Priced to save you at least 30%. Heavier construction—finer materials—better workmanship! Semi-steel construction for extra strength. Careful machining and snug fitting parts insure jaws that won't wobble yet slide easily. Replaceable jaw faces are special Max-El alloy tool steel, heat treated and hardened—milled and serrated. Removable heat treated malleable iron pipe jaws. Cold rolled steel beam. Acme threaded forged steel screw. Positive locking 360-degree swivel base. Blue crackle finish. Lag screws.

Catalog Number	Jaws	Open to	Weight	Shpg. Wt.	Price
99 PT 5240	3 in.	4 in.	16 lbs.	17 lbs.	\$ 2.98
99 PT 5242	3 1/2 in.	4 1/2 in.	20 lbs.	21 lbs.	3.35
99 PT 6243	4 in.	4 1/4 in.	30 lbs.	32 lbs.	5.26
99 PT 6249	4 1/2 in.	5 in.	38 lbs.	40 lbs.	7.60



### COMPANION

#### Sanding Block

New! One of the handiest sanding devices we've ever seen! Has a roll of cloth abrasive coated with aluminum oxide which stretches over a heavy sponge rubber cushion. Lasts longer than sandpaper, but when it does wear out, just pull out a new section and keep working! Strongly made of cadmium plated steel.

9 PT 2153—Shpg. wt., 12 oz. Complete..... 45c  
9 PT 2154—Refill roll. Shpg. wt., 1 oz..... 8c

### Wood Dowel Rod Assortment

You'll find many uses for this handy assortment. Fourteen assorted sizes ranging from 1/4 of an inch to 3/4 of an inch in diam. Each rod 18 inches in length. Very handy to have in your workshop for model building and mending of furniture. No shop is complete without a stock of dowel rods. You'll find hundreds of uses for them. Exceptionally clean grain hard wood. A 40c value. Shpg. wt., 14 oz.

9 PT 2909..... 15c

### CRAFTSMAN

#### Quality Apron

Just the thing to slip on when working around the house or in the shop. Keeps your clothes clean. Heavy enough so dirt won't penetrate. Made from excellent quality heavy canvas. Stands repeated washings. High front protects your shirt. 42 inches long, so as to come well below the knees. Large strongly sewed pockets. Securely attached ties. Shipping weight, 9 ounces.

9 PT 2950..... 39c

### 4-Drawer Utility Case

You'll find many uses for this handy filing case. Use it for nuts and bolts, small tools and parts. Handy on your desk for paper clips, erasers, etc. Lifetime construction of heavy gauge steel. No screws or bolts. 4 easy sliding drawers; two with 6 compartments, one with 3 compartments, and one with 1 compartment. Hard baked enameled finish. Beveled top permits stacking one on top of another. 5 1/2 in. wide, 6 1/4 in. high, 8 in. deep. Shpg. wt., 4 lbs.

9 PT 2784..... 85c



85c

### 2-Drawer Cabinet

A larger cabinet particularly recommended for workshop, garage, etc. Measures 5 in. high, 9 1/2 in. wide, 11 1/2 in. deep over all.

Buy as many as you need. Stack one on top of the other or place them side by side. Card index slot on front of each drawer. Ample space for nuts, bolts and small tools. Bottom drawer has 12 removable sections. Single top compartment. Top of cabinet recessed so cabinet can be stacked without slipping. Heavy gauge steel. Hard baked enamel finish. Shpg. wt., 5 lbs. 4 oz.

9 PT 2785..... 96c



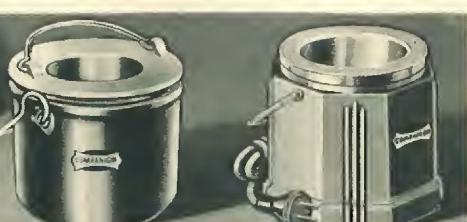
95c

ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER



### Handy Blueprints

Easy to read. Gives complete data for materials needed and for finishing. (1) Priscilla Sewing Cabinet, (2) High Back Lawn Chair, (3) Colonial Spinet Desk, (4) Drop Leaf Table, (5) Garden Trellis, (6) Old West Silhouettes, (7) Work Bench, (8) Hanging Book Rack, (9) Cobbler's Bench Table Lamp, (10) Cedar Lined Chest. State number wanted. Shipping weight, each, 3 ounces. 9 PT 2900—Each..... 19c



### Cast Iron Glue Pot

With aluminum glue cup. Built like a double boiler. Outer cup of heat-retaining cast iron for water. Inner glue cup of non-corroding aluminum. Will last a lifetime. Capacity of glue cup, 1/2 pint; enough to last for a long time. A glue pot like this eliminates all waste as glue can be used over and over by reheating. Convenient handles on both outer and inner cups. Shpg. wt., 4 lbs. 8 oz.

9 PT 2887..... \$1.10

### Electric Glue Pot

Thermostat automatically controls heat and saves electricity. Keeps glue at constant temperature ready for instant use. Element is embedded in asbestos. Polished aluminum with gray iron frame. 1-pt. cup. Approved by Underwriter's Laboratories. Stir wire included. For 60-cycle 110-120 volt A.C. only. Cord and plug. Shipping weight, 6 lbs. 8 oz.

9 PT 2892..... \$3.75

### CRAFTSMAN Tool Light

The 15-inch flexible neck lets you bring the light down to your work just where you want it. Enables you to see your work with greater ease—eliminates harmful eye strain. New type adjustable clamp. An extra large reflector keeps the light out of your eyes—a real safety feature. Over-all length, 23 inches. Complete with push switch in socket, clamp cord and plug. Bulb not included. Shpg. wt., 1 lb. 12 oz.

9 PT 2264..... \$1.60



\$1.60

# A COMMANDER POWER SPRAYER

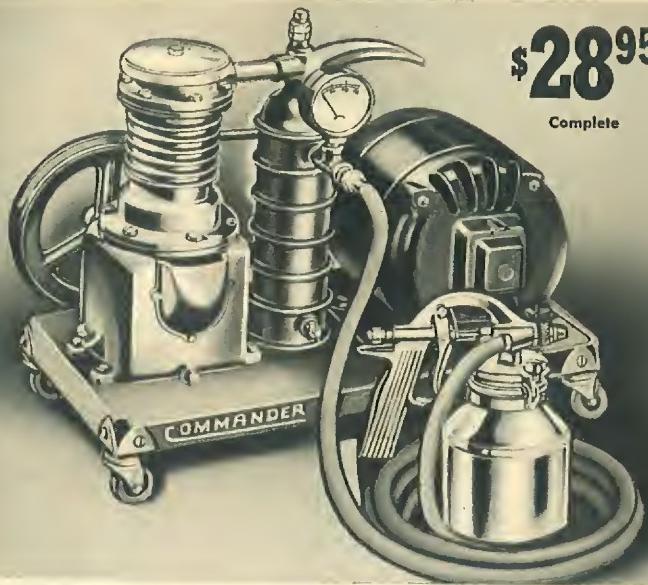
## SPECIFICATIONS

Easy  
Terms!  
ON ORDERS OF  
\$10 OR MORE  
SEE INSIDE  
FRONT COVER

	99PTM5630	99PTM5631
Over-all Height	11 in.	14 in.
Over-all Width	8½ in.	10 in.
Over-all Length	18 in.	17½ in.
Compressor	Piston	Piston
Bore and Stroke	2½ x 3¾ in.	2½ x 1½ in.
Displacement	2¾ cu. ft.	3 cu. ft.
Speed	1750 R.P.M.	800 R.P.M.
Working Pressure	25 lbs.	28 lbs.
Maximum Pressure	40 lbs.	45 lbs.
Motor	¼-H.P.	¼-H.P. H.D.
Speed	1750 R.P.M.	1750 R.P.M.
Switch	No	Yes
Gun (described below)	9PT5578	9PT5637
Hose	½ in.	½ in.
Inside Diam.	15 ft.	15 ft.
Length		
Base	8½ x 18 in.	8½ x 16 in.
Size	No	Yes
Casters		

\$28.95

Complete



\$19.95

Complete

## DIRECT DRIVE PISTON TYPE COMMANDER

Only at Sears can you buy a piston type spray outfit at this amazing price! Has the same capacity and better construction than outfits selling at MUCH higher prices elsewhere. Piston type compressor, like all big commercial sprayers, for long life and best service. No diaphragms to replace. Does the job 6 times faster than brushing! Sprays paints, varnishes, etc., and gives a beautiful, smooth finish.

Check and compare these features carefully. See for yourself how far superior this sprayer is to ANY other outfit selling in this price range! (1) Piston equipped with 2 grooves and 4 rings to keep air absolutely free of oil. (2) Cylinder walls have reamed and honed finish. (3) Perfect counter-balancing for quiet, smooth operation. (4) 1-quart internal-mix pressure feed spray gun with adjustable needle valve and round and fan spray air caps. (5) 15 feet of ½-inch inside diameter hose. Compressor has free air displacement of 2¾ cubic feet per minute. Operating pressure, about 25 pounds. Maximum pressure, 40 pounds. Built-in safety valve. Motor is connected directly to crankshaft with flexible coupling. Aluminum piston has 2½-inch diameter and ¾-inch stroke.

99 PTM 5630—Complete outfit as illustrated, with ¼-H.P. 110-120 volt 60-cycle A.C. 1750 R.P.M. motor. Shipping weight, 52 pounds. .... \$19.95

99 PTM 5636—Complete outfit, without motor. Arranged for V-belt drive. With pulley and belt. Shpg. wt., 26 lbs. .... \$15.50

## PISTON TYPE ¼ H.P. COMMANDER

- Equipped with piston type compressor, like all big commercial sprayers
- Piston has two grooves and four rings to insure clean, oil-free air
- Cylinder walls have reamed and honed finish for longer and better service

Compare this great COMMANDER sprayer with outfits selling for \$50.00 elsewhere! Does the job 8 times faster than brushing—and does it better! Sprays paints, lacquers, enamels, varnishes, disinfectants, insecticides, water colors, dyes, etc.

The piston type compressor insures longest life and best performance. No diaphragms to give out and cause delay. Compressor travels at half motor speed like big commercial types. Built for years of reliable, trouble-free service. Compressor has free air displacement of 3 cubic feet per minute.

New design air intake thoroughly filters incoming air. 1-quart internal-mix bleeder type pressure-feed spray gun has adjustable needle

valve. Bleeder type gun allows continuous flow of air through nozzle, preventing clogging. Air gauge shows pressure. Built-in safety valve prevents pressure from becoming too high. Sprayer is mounted on rugged truck with casters—easy to move around. Heavy duty ¼-H.P. motor has built-in starting switch. Complete with 1-quart aluminum paint cup, 15 feet of ½-inch pressure hose, V-belt drive, cord and plug. For 110-120-volt 60-cycle A.C.

99 PTM 5631—Complete outfit, with heavy duty ¼-H.P. motor. Shpg. wt., 57 lbs. \$28.95

99 PTM 5575—Complete outfit, without motor. Shpg. wt., 28 lbs. .... \$22.95

99 PTM 1999—Compressor only. Shpg. wt., 16 lbs. .... \$10.50

## Piston Type ½-H. P. COMMANDER Sprayer

Similar to above, but with ½-H.P. motor for greater capacity. Free air displacement of 3½ cubic feet per minute. Maximum pressure,

50 lbs. Operating pressure, 30 lbs.

99 PTM 5576—Complete outfit, with motor. Shpg. wt., 62 lbs. .... \$31.50



## Utility Spray Gun

A thoroughly practical and dependable gun at a moderate price. Use it with most any compressor or air supply so long as pressure is not more than 40 lbs. per inch. Bleeder type construction allows continuous flow of air through nozzle to prevent clogging. When trigger is pressed the material being sprayed flows into the air stream and is fed through nozzle under pressure. Has screw-on 1-quart can. Complete with both fan and round spray tip. Shpg. wt., 2 lbs. 12 oz.

9 PTM 5578 ..... \$3.65

## All-Purpose Spray Gun

Here's a gun you can use at intervals . . . and not be afraid it will clog up! This bleeder type internal-mix gun is so designed that when material is shut off the air continues to blow through the nozzle, preventing any clogging. Adjustable needle valve regulates flow of material. Two-finger trigger control keeps your hand from getting tired on long jobs. Clamp-on can has 1-quart capacity. Complete with two nozzles and two air tips. Shpg. wt., 3 lbs. 12 oz.

9 PTM 5637 ..... \$6.50

## Production Spray Gun

This same gun would cost you as much as \$22.50 elsewhere! Two-finger trigger operates two valves that control both material and air. Non-bleeder type—recommended for steady production spraying. Will work twice as fast as ordinary guns. Needle valve has adjustment to regulate flow of material. Operates on three to six cubic feet of air. Two inner fluid tips and two spray caps, one round and one fan type. 1-quart capacity handy clamp-on can. Nicely balanced for easy handling. Shpg. wt., 5 lbs.

9 PTM 5594 ..... \$9.50

# SOON PAYS FOR ITSELF!

**\$39<sup>50</sup>**

Complete



**DELUXE 1/3 H. P. COMMANDER**

- Entire unit mounted on large pressure tank for smoother, more even spraying. Tank provides reserve air supply at working pressure.

All the features—all the fine quality—all the smooth efficient operation of the COMMANDER  $\frac{1}{3}$ -H.P. sprayer listed on the opposite page! But even more, this sprayer is built with the entire unit mounted conveniently on an oversize heavy gauge steel pressure tank, 10 inches in diameter and 20 inches long. This tank assures a large reservoir of air and absorbs slight pulsations from the compressor. This results in a very even pressure and smoother operation of the gun. The piston type compressor always delivers clean, oil-free air. Has free air displacement of  $3\frac{1}{2}$  cubic feet per minute. Safety valve prevents pressure from becoming too high; gauge indicates pressure at all times.

Complete with  $\frac{1}{3}$ -H.P. 1750 R.P.M. motor, pressure type gun with two tips and two air caps, 1-quart aluminum paint cup, 15 feet of  $\frac{1}{4}$ -inch pressure hose, V-belt drive, starting switch on motor, cord and plug. Operates on 110-120 volt 60-cycle A.C. Shipping weight, 93 pounds.

99 PTM 5577—Complete as illustrated ..... \$39.50

**\$69<sup>50</sup>**

Complete



**EXTRA CAPACITY 1/2 H. P. COMMANDER**

- Heavy duty construction throughout
- Twin cylinder air-cooled piston compressor

By far our finest sprayer! Has extra quality—extra capacity—extra strength! The powerful twin-cylinder, air-cooled piston compressor has a free air displacement of 5 cubic feet per minute. Compressor has wick oiling system and heavy bronze bearings. The heavy duty, non-bleeder, production type gun with dual valve construction will work twice as fast as ordinary guns and give smooth, uniform results. It enables you to use the full capacity of the big twin cylinder compressor to its best advantage. Complete with  $\frac{1}{2}$ -H.P. condenser type motor, twin cylinder compressor, production type gun, cast iron base, 15 feet,  $\frac{1}{4}$ -in. two-ply high-pressure hose, 1-quart aluminum paint cup, two tips, two air caps, V-belt drive, pressure gauge, safety valve, starting switch on motor, cord and plug. Operates on 110-120 volt 60-cycle A.C. Shipping weight, 125 pounds.

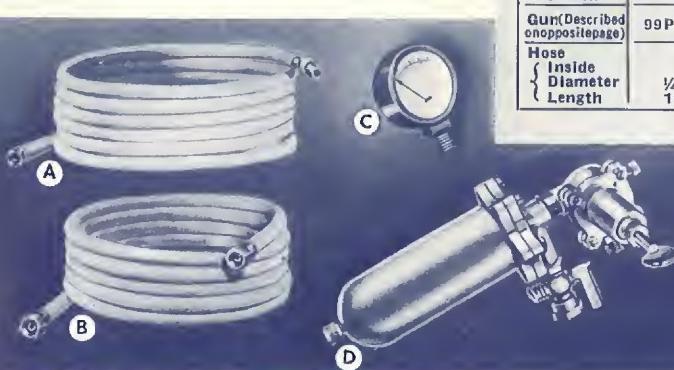
99 PTM 5597—Complete as illustrated ..... \$69.50

**COMMANDER Gasoline Powered Sprayer.** Similar to above, but equipped with air-cooled Briggs & Stratton gasoline motor—the finest made. Easily started by stepping on foot pedal—no kick back. Shipping weight, 145 pounds.

99 PTM 5598—Complete ..... \$92.50

## SPECIFICATIONS

	99PTM5577	99PTM5597
Over-all Height	22 in.	14 $\frac{1}{4}$ in.
Over-all Width	10 in.	11 in.
Over-all Length	20 in.	24 in.
Compressor / Type	Single cylinder piston	Twin cylinder piston
Bore and Stroke	2 $\frac{1}{4}$ x 1 $\frac{1}{8}$ in.	2 $\frac{1}{4}$ x 1 $\frac{1}{8}$ in.
Displacement	3 $\frac{1}{2}$ C.F.M.	5 C.F.M.
Speed	950 R.P.M.	660 R.P.M.
Working Pressure	30 lbs.	35 lbs.
Maximum Pressure	50 lbs.	50 lbs.
Motor (H.P.)	$\frac{1}{3}$	$\frac{1}{2}$
{ Speed	1750 R.P.M.	1750 R.P.M.
Switch	Yes	Yes
Gun (Described on opposite page)	99PTM5637	99PTM5594
Hose { Inside Diameter	$\frac{1}{4}$ in.	$\frac{1}{4}$ in.
Length	15 ft.	15 ft.



### Quality Air Hose

(A) Made to give long, hard service. Heavy rubber and fabric construction designed to withstand strong, constant pressure. Complete with fittings. Two or more lengths may be coupled together. Couple an extra length onto your gun hose. Length, 15 feet; inside diameter,  $\frac{1}{4}$  inch. Shipping weight, 1 lb. 8 oz.

9 PT 5638—Air Hose ..... \$1.45

### Material Hose

(B) Heavy two-ply construction for long life and service. Synthetic rubber lining. Length, 12 $\frac{1}{2}$  feet;  $\frac{3}{4}$ -inch inside diameter. Two or more lengths of hose may be coupled together. Complete with fittings. Shpg. wt., 2 lbs.

9 PT 5639—Material Hose ..... \$2.45

### Pressure Gauge

(C) Know how much air is available before starting the job. Graduated to register accurately the air pressure available for the spray gun. May be mounted directly on reducing valve and filter assembly. Easily installed. Shpg. wt., 8 oz.

9 PT 5649—Pressure Gauge ..... 69c

### Reducing Valve and Filter

(D) Insures the delivery of very dry air—an absolute necessity when spraying lacquer. Filter prevents oil, water, and other impurities from getting into air stream. Valve reduces and controls commercial air pressure to below 50 pounds so that it can operate gun correctly. Complete with shut-off. Shipping weight, 2 pounds 8 ounces.

9 PT 5648—Complete ..... \$3.35

### Industrial Spray Outfit

Complete your garage or service station equipment with this husky spraying outfit. Also handy in factory and shop. Especially constructed for any plant with an existing air pressure system. Connects directly on existing air outlets.

This all around unit can be used for almost every spraying operation. Saves the cost of a special compressor for painting. All parts carefully and strongly made. Gun is 9 PT 5637 (illustrated and described on Page 44); well balanced and easily handled. Complete with gun, 15-foot,  $\frac{1}{4}$ -in. air hose, filter, gauge, and reducing valve for regulating pressure to less than 50 pounds. Also has shut-off valve. Shipping weight, 15 pounds.

99 PT 5633—Complete ..... \$11.95

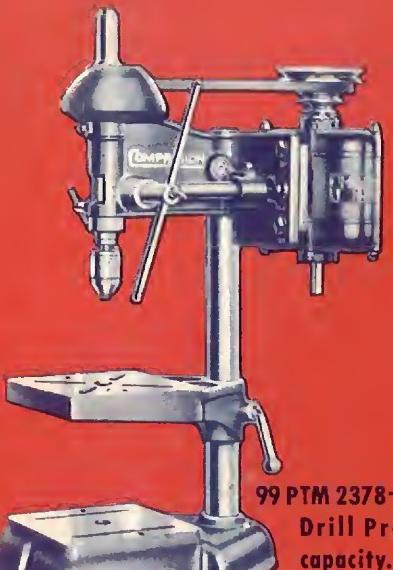
### COMMANDER Material Tank

Why bother with constant interruptions to refill your paint can on big jobs? Order one of these big two-gallon pressure tanks and speed up your work. Cut down on job time, and increase your profits as well! Tank is heavily constructed with close fitting clamp-on lid to hold pressure. Material is forced from tank through material hose to spray gun. Because of this, spray gun may not be operated more than five feet above level of tank. When operating at a height the tank may be carried up the ladder.

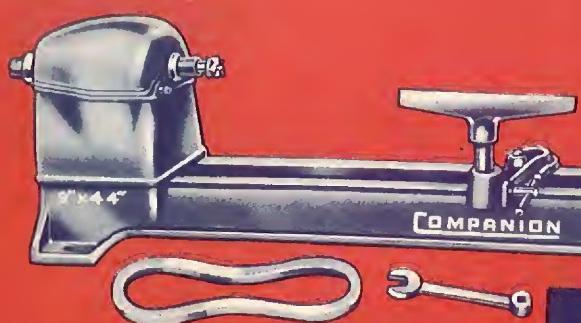
Complete with 15-foot air hose and 12 $\frac{1}{2}$ -foot material hose. Tank is equipped with handle to enable easy handling and transportation. Shipping weight, 25 pounds.

99 PT 5632 ..... \$9.90

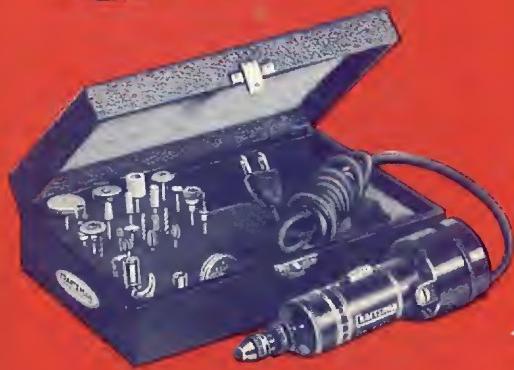
ON ORDERS OF  
\$10 OR MORE  
\*SEE INSIDE  
FRONT COVER



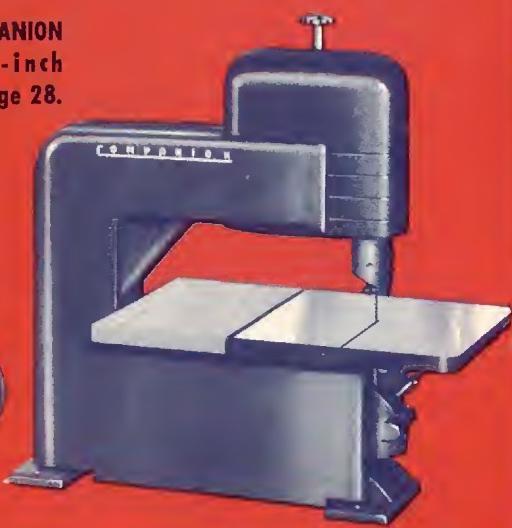
99 PTM 2378—COMPANION  
Drill Press,  $\frac{1}{2}$ -inch  
capacity. See Page 28.



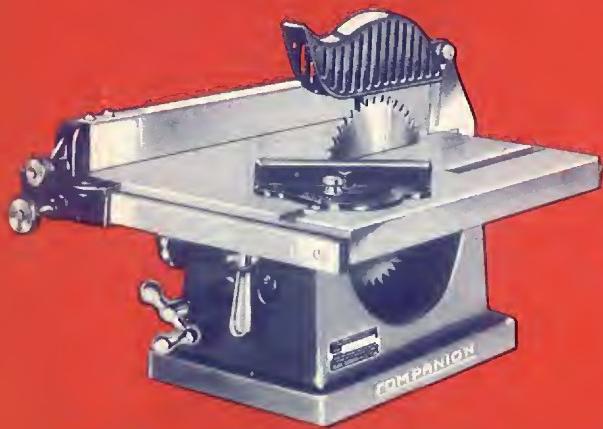
99 PTM 2019—COMPANION Lathe. 9-in.  
swing; 30-in. centers; 44-in. bed. See Page 16.



9 PT 2651—CRAFTY Rotary Electric Tool  
complete with accessories. See Page 26.



99 PTM 2334—COMPANION New 3-Wheel  
Band Saw. 12-inch throat. See Page 5.



99 PTM 2171—COMPANION 7-Inch Bench Saw.  
Table size,  $12\frac{1}{4} \times 16\frac{3}{16}$  in. See Page 4.



99 PT 1956—CRAFTSMAN  $\frac{1}{2}$ -H.P. Condenser Motor. 1750 R.P.M. See Page 38.



99 PTM 2213—COMPANION Combination 4-in.  
Belt and 8-in. Disc Sander. See Page 14.



99 PT 2616—COMPANION  $\frac{1}{4}$ -H.P.  
Ball Bearing Grinder. See Page 37.



99 PTM 2287—COMPANION 4  $\frac{1}{4}$ -  
Inch Jointer-Planer. See Page 12.

YOUR CHOICE OF  
ANY TOOL ON  
THIS PAGE

\$14.95  
EACH

COMPARE WITH  
TOOLS SELLING  
FOR \$20 TO \$25

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